CONSTRUCTION NEWS

Engineering News-Record, April 2, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Power development, Carillon, Que., preparing plans for hydro-electric development on St. Lawrence River, $50,000,000.

Power develpoment, Arnprior, Ont., surveys being made for hydro-electric plant, $5,000,000.

Club, Chicago, Ill., Midland Club have had sketches made, $4,000,000.

Theatre, Detroit, Mich., Detroit Metropolitan Corporation having plans prepared, $4,000,000.

Sewers, Los Angeles, Calif., Metropolitan Sewer District 3. Plan bond election for 21 miles of sewers, $3,540,000.

Water supply, Waterbury, Conn., State Comm. authorizes bond issue to extend water system, $3,200,000.

Hotel and recreation, Detroit, Mich., Detroit, Hockey Club having plans prepared, $2,000,000.

Store, Seattle, Wash., Bon Marché having plans prepared, $2,000,000.

Dam, Cotulla, Tex., La Salle Co. plans earth and reinforced-concrete dam, $1,800,000.

Dam, Stockton, Calif., plans have been made, $1,500,000.

Bids Wanted on Big Jobs

Clubhouse, Brooklyn, N. Y., B.P.O.E. 22, takes bids about May 1, $4,500,000.

Factory and sales, Chicago, Illinois, Hibbard, Spencer-Bartlet Co., $4,000,000.

Sewers, Kansas City, Mo., takes bids about May 1 for Gooseneck Storm Sewer, $2,500,000; about July 1 for Blue River Sanitary Intercepting Sewers, $3,000,000.

Capitol, Lincoln, Nebr., (2nd Section) $2,500,000.

Hospital, Chicago, Ill., University of Chicago, $2,000,000.

Theatre, San Antonio, Tex. W. J. Lytle taking bids, $1,500,000.

Large Contracts Let During Week

Water Works, Kansas City, Mo., awarded in fourteen separate contracts, $6,748,557.

Tunnel, Oakland, Calif., Supervs. Alameda Co. to A. J. Crocker Co., $3,882,958.

Apartment, Philadelphia, Pa., W. Webster to Barras Constr. Co., $2,500,000.

Waterworks

PROPOSED WORK

Mass., Medford (Boston P. O.) — See "Sewers."

Mass., North Attleboro—Voted $95,000 bonds extending waterworks at Adamsdale.

Conn., Waterbury—State Com. Finance authorize city to issue $3,200,000 bonds for further extension of Shebang Project for water supply. R. A. Cairns, city engr.

N. J., Hammonton—Plans extending mains in Main Rd., Packard and Peach Sts. $40,000. A. Elvins, mayor. Engineer not selected.

Pa., Spangler—Northern Cambria Waterworks Co. plans impounding dam on Schirtf's Run to store 75 m.g., erecting pumping equipment and several miles pipeline. $50,000. J. A. McClain, pres.

D. C., Wash. — Dist. Comrs. plan mains and sewers in various streets. $956,800.

North Carolina—See "Streets and Roads."

N. C., Selma — Sold $17,500 bonds, extending and improving present water system.

Kan., Aurora—Election Apr. 6, $27,000 bonds, new waterworks. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs. Noted Mar. 19.

Kan., Concordia — Making preliminary plans waterworks extensions, incl. wells, distribution mains, etc. $35,000. C. A. Haskins, 822 Finance Bldg., Kansas City, Mo., engr.

Kan., Norcatur—Voted $40,000 bonds for waterworks. C. A. Haskins, 822 Finance Bldg., Kansas City, Mo., engr. Noted Feb. 12.

Kan., Seneca—Making preliminary plans waterworks, incl. pumping equipment, distribution mains, etc. $20,000. Engineer not selected. J. T. Campbell, city clk.

Neb., Bennet — Plans pump, well, hydrants, valves and c.i. mains in various streets. $18,000. Hollister Eng. Co., 517 Bankers Life Bldg., Lincoln, engrs.

N. D., Carrington—Plans to purchase one 300 gal. centrifugal pump and one 25 hp. engine. L. P. Wolff, 903 Globe Bldg., St. Paul, engr. Noted Oct. 16.

Mo., Glendale (Kirkwood P. O.) — Defeated $60,000 bonds waterworks. A. H. Beard, Title Guaranty Bldg., St. Louis, engr. Noted Feb. 27.

Tex., Amarillo—See "Unclassified."

Tex., Big Spring—Election Apr. 7, $30,000 bonds waterworks extension. J. W. Middleton, city secy. Engineer not announced.

Tex., Lometa—Voted $42,000 bonds waterworks, incl. mains, wells, pumping equipment, etc. Address A. E. McLean, mayor. Noted Feb. 19.

Tex., Nordheim — Making plans waterworks plant. $20,000. Engineer not announced.

Tex., Robert Lee—Election soon $35,000 bonds waterworks, mains, pumping equipment, etc. Engineer not selected.

Tex., San Antonio — Election Apr. 18, $6,000,000 bonds purchasing present waterworks system and $500,000 improving same. I. Ewig, city engr. Noted Mar. 5.

Okla., Blanchard—Election Apr. 7, $35,000 bonds new waterworks, incl. new well, pump, elevated tank, pump house, mains, valves, etc. Gantt Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Collinsville—Election Apr. 7, $125,000 bonds, new mains in connection to Spavinaw pipe line system of Tulsa, and new pumping equipment and repairs to present plant, 45,000 ft. 12 in. c.i. pipe, etc. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Okla., Idabel — Soon takes bids waterworks improvements, incl. new motor driven pumps, oil engine, transmission line and 250 meters. $23,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 5.

Okla., Prague — Voted $22,000 bonds, new well with air lift equipment, new air compressor, concrete reservoir, and 1 mi. new mains. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Okla., Tulsa—Election Apr. 14, $500,000 bonds for waterworks, $150,000 used for main extensions and balance to complete Spavinaw Project. C. Schultz, City Hall, engr. Noted Jan. 15.

N. M., Portales — Making plans waterworks and sewers in various streets. To exceed $15,000. F. E. Devlin, 614 Bitting Bldg., Wichita, Kan., engr.

Wash., Centralia—Plans 5 m.g. reservoir. $71,000. C. B. Shain, special engr.

Calif., Hemet—Election Apr. 17, $120,000 bonds, wells, pumps, pipe line and reservoir, etc. Noted Feb. 19.

Calif., San Jacinto—Plans election bonds to exceed $25,000 to finance water and sewerage systems.

Ont., Leamington — Plans waterworks addition, new intake, pumphouse, 2 pumps, etc. $25,000. R. M. Selkirk, town clk. Engineer not selected.

Ont., Mimico—Making plans new pumping station, steel intake, brick and steel pumphouse, 3 stage electric centrifugal pump, filters, chlorinators, etc. $125,000. James, Proctor & Redfern, 35 Toronto St., Toronto, engrs.

Ont., Woodstock—Water & Light Comn. plans 5 mi. 12 or 15 in. probably wooden pipe line from the springs to city. $100,000. A. G. Archibald, supt.

Ont., Port Arthur—Plans pumping station, and centrifugal electric 3 stage pumps. $15,000. J. Antonisen, city engr.

BIDS DESIRED

Mass., Boston—Apr. 9, by Dept. Pub. Wks., City Hall, laying and relaying mains in Foster St., Kirkwood and Radnor Rds. in Brighton; Wabash Ave. in Dorchester; and Willowdean Ave., Weld and Wren Sts. in West Roxbury. $15,000. J. A. Rourke, comr.

Mass., Framingham—Apr. 14, by Commissioners Pub. Wks., about 3,800 lin.ft. 8 in. and 3,300 lin.ft. 6 in. c.i. water mains, etc., in various streets. R. W. Bird, comr.

N. Y., Locust Valley—Apr. 11, by Bd. Water Comrs. at Matinecock Neighborhood House, deep well and turbine. S. B. Bowne, Mineola, engr.; adv. E. N.-R. Apr. 2.

N. Y., Oyster Bay — Apr. 11, by Bd. Water Comrs. Oyster Bay Water Dist., constructing test wells for determining nature of sub-surface conditions, etc. S. B. Bowne, Mineola, engr.; adv. E. N.-R. Apr. 2.

Pa., Phila.—Apr. 7, by Dept. Pub. Wks., Bureau Water, Contr. 745 parts for water meters; Contr. 746 seventy-three 8- to 12-in. high pressure stop valves, 37 fire hydrants; Contr. 747 pipe fittings for high pressure fire system; Contr. 749 two complete connections, etc.; Contr. 750 machine tools; Contr. 751 miscellaneous piping for Torresdale Sta.

Md., Towson—Apr. 27, by Comrs. Baltimore Co., mains in Colgate and Essex, Contracts 2-W and 3-W. A. E. Walden, ch. engr.; adv. E. N.-R. Apr. 2.

N. C., Hendersonville—See "Streets and Roads."

La., Bossier City—Apr. 8, by Town Council, 6,000 ft. 8 in. and 280 ft. 6 in. c.i. pipe, 8,000 lb. c.i. specials, pumping station, pumps, motors, 75,000 gal. tank on 125 ft. tower, etc. E. T. Archer & Co., Shreveport, engrs.

Wis., Manawa—Apr. 15, by J. C. Kinsman, village clk., 9,230 ft. 6 and 8 in. c.i. mains, 5 tons castings, two 500 g.p.m. centrifugal pumps, 180 ft. direct connected to 220 v., 3 phase, 60 cycle, 1,750 r.p.m., etc. McMahon & Clark Eng. Co., Menasha, engrs.

Tex., Pilot Point — City, c/o F. W. Hayden, mayor and E. W. Garnett, engr., Denton, taking bids settling tank for waterworks. $25,000.

Calif., Beverly Hills—City in market for 1,150 ft. 12 in. steel mains in Chalmers Dr. B. J. Firminger, city clk.

Calif., Monrovia—Buena Vista Domestic Water Co., E. W. Bushnell, secy., taking bids 19,740 ft. 4- to 8-in. 14 gauge riveted steel pipe with fittings, etc., in various streets. O. A. Gerlich, 209 1st Natl. Bank Bldg., engr.

BIDS RECEIVED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Mar. 27, mains in Aves. P, T and X, Rockaway Parkway, Montauk Ave., Crescent, West, Marsh, 89th, East 1st, 2nd, 28th, 36th and 95th Sts., here, from Grippo Contg. Co., 85 Webster

Waterworks (Continued)

Ave., Long Island City, $6,670. Noted Mar. 19.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Mar. 25, setting valves and hydrants and connecting mains in Ave. A, 1st, 2nd and 3rd Aves., etc., from Wataga Contg. Co., 308 Lenox Ave., $24,500. Noted Mar. 19.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Mar. 25, mains in Clinton, Forrest, Henderson and Westervelt Aves., here, from Wataga Contg. Co., 308 Lenox Ave., New York City, $112,900. Noted Mar. 19.

Md., Baltimore—Bd. Awards, galvanized wrought iron pipe, couplings and malleable iron fittings from Southern Supply Co., 315 North Calvert St., $12,195, c.i. pipe and fittings, from R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $284,024, for Water Dept..

Minn., Robbinsdale—City, 32,150 lin.ft. 8- to 12-in. c.i. pipe, and 25 hydrants and 12 valves, from Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis. $50,889.

CONTRACTS AWARDED

Mass., Boston—Supply Dept., to E. L. LeBaron Fdry. Co., Brockton, 150,000 lb. Class "C" sidewalk castings $0.545 per lb., 200,000 lb. Class "D" frames and cover castings, $0.028 per lb.; to Gibby Fdry. Co., East Boston, composition castings, 16,000 lb. No. 1 $0.2525 per lb., 33,000 lb. No. 2 $0.21375 per lb., and 8,000 lb. No. 3 $0.1775 per lb., all foregoing for Pub. Wks. Dept., Water Serv. Noted Mar. 5.

Mass., Boston — City Supply Dept., to Davis Fdry. Co., Lawrence, 480,000 lb. B castings $0.055 per lb., 100,000 lb. 9 x 9 flange frame castings $0.035 per lb., for Pub. Wks. Dept., Water Serv. Noted Feb. 12.

Pa., Phila.—Dept. Pub. Wks., Bureau Water, Contr. 743, to M. and J. B. McHugh, 892 North Markoe St., $34,205; Contr. 744, Item 1, to P. and A. J. Ellis, 5724 North Markoe St., $37,890, Items 2 and 3, to Chapman Valve Mfg. Co., 1011 Filbert St., $10,395. Noted Mar. 26.

O., Piqua—H. A. Lines, dir. Pub. Serv., water works to Green and Sawyer, Lima, buildings $154,996, carbonation equipment $5,900, heating and plumbing $8,740, lighting and power $10,390, bridges $17,400; to Shartle Machine Co., 369 Dublin Ave., Columbus, pumps $17,236; Pittsburgh-Des Moines Co., Curry Bldg., Pittsburgh, Pa., stand pipe $27,880. Noted Feb. 12.

Minn., St. Paul—H. W. Austin, city purch. agt., to Michigan Valve & Fdry. Co., Amer. Trust Bldg., Detroit, Mich., one 90 in. circular butterfly valve $3,220, one 90 in. circular sluice gate $2,500, two 60 in. circular sluice gates $1,290 each, one 48 in. circular sluice gate $900, two 48 x 60 in. rectangular sluice gates $1,150 each; to Chapman Valve Mfg. Co., Indian Orchard, Mass., one 60 in. circular butterfly valve $1,395; to Pittsburgh-Des Moines Steel Co., Tuttle and 9th Sts., Des Moines, Ia., one 300,000 gal. steel reservoir on concrete foundation at McCarron's Station, $8,680; to W. Bros. Boiler & Mfg. Co., Nicollet Island, Minneapolis, 800 lin.ft. 60 in. O. D. steel pipe, 5 special bends, $12,209; to United Lead Co. 102 Fairfield Ave., 75 coils of ¾ in. extra strong lead pipe. Noted Mar. 19 and 26.

Kan., Hutchinson—Approximately 2 mi. distribution mains, etc., to United Water, Gas & Electric Co., Hutchinson, Kan. Engrs. est. $15,000. Noted Sept. 4.

Mo., Kansas City—A. J. Stewart, purch. agt., Contrs. 1 and 2, tunnels, to Smith Bros., Inc., 2701 Coombs St., Dallas, Tex., $1,319,750 and $825,575 respectively; Contr. 5, East Bottoms pumping station and reservoir, to Carrothers Constr. Co., 310 Walsix Bldg., $683,220; Contr. 6, conduit, to Biggs Boiler Wks., Bank and Williams Sts., Akron, O., $524,205; Contr. 11, tanks, to J. Black Masonry & Contg. Co., 517 Federal Reserve Bank Bldg., Omaha, Neb., $1,663,540; Contrs. 8, 9 and 10, motors, switchboards and substation, to Westinghouse Electric & Mfg. Co., Orear-Leslie Bldg., $149,750; Contr. 12, secondary pumping plant and filtration plant, to Chanute Constr. Co., Chanute, Kan., $1,260,749; Contr. 13, intake on Missouri River, low lift pumping station, etc., to List & Weatherly, 416 Railway Exch. Bldg., $222,350; Contr. 14, valves to complete work under preceding contracts, to Kennedy Valve Co., 95 John St., New York City, $99,418. Noted Mar. 26.

Sewers

PROPOSED WORK

Mass., Gloucester—State and City plan new sewerage system in portions of city and surroundings. $331,000. X. N. Goodnough, Metropolitan Dist. Co., 1 Ashburton Pl., Boston, engr.

Mass., Medford (Boston P. O.) — Making plans improving and extending sewerage and water systems. $80,000. C. Connock, city engr.

Conn., Middletown — Making preliminary plans sewer in Durant Dist. J. M. Lusey, 74 Pearl St., chn. Durant Sewer Dist. $70,000. Address City Engineer.

North Carolina — See "Streets and Roads."

Tenn., Winchester — Election in June $100,000 bonds, sewerage system. J. Shasteen, mayor.

Mich., Detroit — Dept. Pub. Wks. made plans 9,518 ft. 12- to 20-in. vitr. crock in Lateral 4254, 259 ft. 20 in. vitr. crock in Lateral 4287; 2,318 ft. 12- to 20-in. vitr. in Lateral 4301; 1,984 ft. 12- to 24-in. and 118 ft. 3 ft. 2 ring brick section in Lateral 4315; 2,928 ft. 12- to 24-in. vitr. in Lateral 4317; 692 ft. 12- to 15-in. vitr. in Lateral 4327; 5,130 ft. 12- to 20-in. in Lateral 4230; 458 ft. 15- to 20-in. vitr. in Lateral 4339. G. Jerome, city engr.

Mich., Mt. Clemens — Macomb Co. made plans 6 mi. 42 in. concrete or vitr. crock sewer in Clair Ave., Buckingham and High Sts. $100,000. E. D. Miller, Mt. Clemons, Co. drain comr.

Ill., Peoria—Plans sanitary and surface drainage all territory north of Columbia Terrace and west of North St. to city limits, known as North Peoria Sewer Dist. 5. $790,000. Pearce, Greeley & Hansen, 6 North Michigan Blvd., Chicago, sanitary engrs. J. J. Jeffries, city engr.

Ill., Venice — Making preliminary plans sanitary sewerage system, pumping plant, etc. $200,000 up. Shepard & Morgan, Edwardsville, engrs.

Ill., Waukegan — North Shore Sanitary Dist., J. Oliver, pres., Highland Park, making preliminary plans sewage disposal plant, incl. Imhoff tanks, sludge beds, chlorinating tank and outfall sewer. $75,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Ia., Centerville — Making plans sewer improvements, incl. disposal plant. $35,000. M. G. Hall Eng. Co., Centerville, engrs.

Mo., Concordia — Making preliminary plans, surveys, etc., sanitary sewers in various streets. E. T. Archer & Co., New England Bldg., Kansas City, engrs.

Mo., Kansas City — Making plans and takes bids about May 1, 9,000 ft. Gooseneck Storm Sewer, $2,500,000; about June 1, 36,000 ft. North Sect. and about July 1, 28,000 ft. South Sect. Blue River Sanitary Intercepting Sewers, $3,000,000. Black & Veatch, 700 Mutual Bldg., engrs.

Mo., Lees Summit—Plans new election $78,000 bonds complete sanitary sewerage system, etc. E. T. Archer & Co., New England Bank Bldg., Kansas City, engrs. Noted Dec. 19.

Mo., Steele — Making plans sewers in various streets. $25,000. C. A. Moore, Independent Bldg., Joplin, engr.

Tex., Clarendon—Election Apr. 7, $121,000 bonds sanitary sewers in various streets. F. E. Devlin, 614 Bitting Bldg., Wichita, Kan., engr. Noted Mar. 12.

Tex., San Antonio — City Council appropriated $100,000 for constructing 1 mi. cover over sanitary sewer ditch. I. Ewig, city engr.

Okla., Prague — Defeated $25,000 bonds, new sanitary sewers for entire city and disposal plant, and project dropped. Holway Eng. Co., Wright Bldg., Tulsa. Noted Mar. 12.

N. M., Portales—See "Waterworks."

Wash., Yakima—Plans sewerage system to serve northwest section city. $110,000.

Calif., Long Beach — Made plans storm sewer in Moline Ave., 16,227 ft. 10- to 15-in. cement, 8,245 ft. 18- to 24-in., 3,924 ft. 27- to 42-in. and 7,916 ft. 48- to 57-in. rein.-con. pipe, 90 manholes, 163 catch basins, 1 rein.-con. bulkhead, etc. $305,650. C. F. Smith, city sanitary engr.

Calif., Los Angeles—Metropolitan Sewer Dist. 3, Los Angeles Co. (consisting city of Long Beach), election May 5, $3,540,000 bonds, for 21 mi. trunk sewers. A. K. Warren, Hall of Records Bldg., co. drainage engr.

Calif., Los Angeles—Made plans Sect. 2, Arroyo de la Sacatela, storm drainage system. $1,350,000. L. W. Armstrong, City Hall, engr.

Calif., Palo Alto—Made plans 19,237 ft. 12- to 34-in. concrete and 20,000 ft. 6 and 8 in. vitr. storm sewers, etc., in various streets. J. F. Byxbee, Jr., city engr.

Calif., San Francisco—Made plans sewers in 30th Ave. and Kirkham St., 670 ft. 3 ft. 6 in. x 5 ft. 3 in., and 2,483 ft. 3 ft. x 4 ft. x 6 in. rein.-con. pipe, etc. To exceed $50,000. M. M. O'Shaughnessy, city engr.

Calif., San Jacinto—See "Waterworks."

Ont., Brantford—Plans 6,000 ft. 12 in. up vitr. clay storm sewer in Gladstone, Erie and Allenby Sts. $34,000. F. P. Adams, city engr.

Ont., Ft. William—Plans 11,000 ft. 8 in. up sanitary and storm sewers in east end of city. $40,000. Will probably install by day labor. C. B. Symes, City Hall, engr.

Ont., Markham—Making plans probably 5,000 ft. 8 in. up vitr. clay sewers in all streets, and rein.-con. disposal plant. $50,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Mass., Boston — Apr. 9, by Dept. Pub. Wks., Boston, sewerage works in Falco St., in West Roxbury; Apr. 10, in Glencoe St., Brighton; Apr. 13, in Harmon St., Dorchester. $25,000. J. A. Rourke, comr.

Mass., Needham—Apr. 3, by Town Clk., Town Hall, vitr. salt-glazed sewer pipe, 2,000 ft. 5 in., 9,000 ft. 6 in., and 1,700 ft. 8 in., all 2 ft. lengths, 11,500 ft. 8 in., 3,200 ft. 12 in., 4,550 ft. 15 in., 4,600 ft. 18 in., and 1,730 ft. 20 in., all 3 ft. lengths. Barbour & Dixon, Tremont Bldg., Boston, engr.

N. Y., Brooklyn—Apr. 8, by J. A. Guider, boro pres., Boro Hall, sewer in Ave. L, Linden, Troy, Schenectady, Belmont, Drew, Pitkin, Forbell, Glenmore and 7th Aves., East 38th, 39th, 45th, 46th, 6th, 48th, 71st and 29th Sts.

N. Y., New York — See "Streets and Roads."

N. Y., St. George—Apr. 6, by J. A. Lynch, pres. Richmond Boro., Boro Hall, sanitary sewers in Old Town Rd., Centre and Woodside Aves.

Pa., Phila.—Apr. 7, by Dept. Pub. Wks., Bureau Engineering, main sewer in Sanger St., Castor, Champlost and Loretto Aves., branch sewers in McKean and Wyncote Aves., Webb, Wallace, Victoria, Valetta, 3rd, Thompson, Sepviva, Salmon, Naomi, N. Mercer, Janney, Gaul, 52nd, 4th, Durham, Durard, Diamond, Bigler, Bath, Balfour, Ardleigh and Almond Sts.

Md., Baltimore—Apr. 8, by Bd. Awards, Tiffany Run Interceptor Sewer, Sect. 3, and other sewers in Dists. H-2, and 33, Sanitary Contr. 233, incl. 1,406 ft. 33 x 42 in. brick and concrete sewer, 15 lin.ft. 15 in., 351 ft. 8 in. and 133 ft. 6 in. terra cotta pipe, etc. B. L. Crozier, City Hall, highway engr.

N. C., Hendersonville—See "Streets and Roads."

O., Akron—Apr. 9, by W. F. Peters, dir. Pub. Serv., 330 ft. 15- to 24-in. vitr. clay and 3,320 ft. 30- to 60-in. brick trunk sewer in Gorge Blvd. Dist. $108,600. J. E. Root, Delaware Bldg., engr.

O., Cleveland—Apr. 8, by Comrs. Cuyahoga Co., 12,200 ft. 8- to 20-in. tile sewers in Impvt. 304, Sewer Dist. 3. To exceed $25,000. F. R. Williams, Court House, engr.

Mich., Grand Rapids—Apr. 22, by Director Pub. Serv., City Hall, constructing Cold Brook Creek Drain, Contr. F-6. F. Locke, city mgr.; adv. E. N.-R. Apr. 2.

Tex., Bryan—Taking bids 5,000 ft. 8 in. and 10,000 ft. 6 in. sanitary sewers in various streets. $20,000. T. Haswell, mayor.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly in 163rd St., pres. Queens Boro, Queens Subway Bldg., temporary basin inlets from H. J. Mullins Contg. Co. Jamaica Ave. and 144th St., Jamaica, $225; sewers in Bway. from F. J. Kelly Co., Inc., 186 Joralemon St., Brooklyn, A $47,764, B $40,197; sewers in 40th Rd., from C. Pettracca, $1,585; sewers in Winthrop Ave. from J. Gallo, 203 Division St., Brooklyn, B $40,974. Noted Mar. 26.

N. Y., New York — H. Bruckner, pres. Bronx Boro., Mar. 26, sewers in White Plains Rd., from A. Gregoria & Co., 1129 8th Ave. $6,730; in Edison and Hammersley Aves., from Knight & DeMicco, 448 East Tremont Ave., $4,470 and $4,355 respectively; reconstructing sewer in Exterior St. from Fox Reynolds Co., 81 East 125th St., $129,440. Noted Mar. 19.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Mar. 30, temporary sanitary sewers in New Dorp, Oakwood and vicinity, from Hammen Constr. Co., Perth Amboy, N. J., (A) $338,703 (B) $346,508. Noted Mar. 26.

Pa., Phila.—Dept. Pub. Wks., Bureau Eng., Mar. 23, from F. T. Buckins, 4050 Kensington Ave., sewers in Cheltenham Ave. $40,068, Erie Ave. $18,773; from J. Lombardi, 601 Lincoln St., Summerdale Ave. $46,430, Packer Ave. $305,283; from W. McIntyre, 6811 North Franklin St., removing old sewers and constructing new in 13th, Camac, Iseminger, 12th and Marvine Sts. $45,571; from J. E. Robinson, 5231 Colburne St., test borings $3,626.

Md., Baltimore—Bd. Awards, storm and sanitary sewers in Dists. G-14 and J-1,

Sewers (Continued)

Storm Water Contr. 81, from D. C. McAleer, Phoenix Bldg., $161,959. Noted Mar. 19.

O., Cleveland—Sewers in Bader Ave. and West 35th St., from D. M. Zullo, 706 The Arcade, $10,206 and $13,048 respectively; Germaine and Biddulph Aves., from W. B. Smith, 706 The Arcade, $4,160 and $4,994 respectively; Flowerdale Ave., from Yayhya Bros., 3196 West 25th St., $9,733. Work involves 9,670 ft. 12- to 24-in. tile pipe.

Wis., Prairie du Chien—W. Beuthin, city clk., 14,898 ft. 8- to 15-in. vitr. sewers in various streets, from Gjellefald & Chapman Constr. Co., Forest City, Ia., $22,326. Noted Mar. 5.

CONTRACTS AWARDED

Pa., Phila. — Dept. Pub. Wks., to N. Cassetti Real Estate Trust Bldg., branch sewers in Boyer St. $13,085; to Higgins & Reilly, 601 Real Estate Trust Bldg., Chester St. $8,642, Kingley St. $12,437; to A. J. Henderson, Washington Lane and Reading R.R., Crittenden St. $9,783, Nippen St. $5,489, Wadsworth St. $8,945; to A. De Sando & Son, 3906 North 5th St. Ellet St. $24,877; to A. Bonitatibus, 300 Mt. Pleasant Ave., Haworth St. $4,811; to W. McIntyre, 6811 North Franklin St., Pine St. $4,746; to H. A. Hamilton, Green and Chelton Sts., Sheldon St. $9,065, Wagner St. $4,888; to F. T. Buckins, Kensington and Deal Sts., 7th St. $9,860, Woodcrest St. $13,425; to E. F. Bennis, 825 East Washington Lane, 67th St. $12,094; to McCoal Constr. Co., 5033 Duffield St., Tulip St. $2,092, Weikel St. $2,216.

Md., Baltimore—Bd. Awards, City Hall, 11,500 ft. main and lateral sewers in Sanitary Dist. G-13, Contr. 219, to Adams & Marino Co., 216 St. Paul St., $86,653. Noted Mar. 26.

Tex., Dallas—H. B. Winston, 1305 M St., sewers and waterworks in 72 acre tract to be developed into high class residential district, to E. Campbell, 2409 Pennsylvania Ave., $31,000.

Tex., Houston — Storm sewer in West Gray Ave., to A. E. Quay Constr. Co., 4717 Jack St., $16,225, engrs. est. $20,000; in West Dallas Ave., to C. H. Horton, 2202 Clay St., $33,138, engrs. est. $35,000. Noted Mar. 12.

Tex., Magnolia Park—Storm and sanitary sewers in various streets, to Sherman-Youman Constr. Co., 529 West Bldg., Houston, $307,220 and $46,793 respectively. Engrs. est. $300,000 and $45,000 respectively. Noted Mar. 19.

Wyo., Cody—Sanitary sewers in Dists. 2 and 3, to J. E. Crum, Casper, $31,506.

Colo., Denver—For South Side Special Sanitary Sewer 8, 1 mi. long, ¼ mi. wide, to J. E. Young, Tramway Bldg., $44,684. Engrs. est. $42,760. Noted Feb. 19.

Calif., Corona — Disposal plant, incl. Imhoff tanks, filters, etc., to R. F. Ware, 2146 East 38th St., Los Angeles, $100,922. Engrs. est. to exceed $112,200.

Calif., Los Angeles—Supervs. Los Angeles Co. Drainage Impvt. Dist. 11, 218,000 cu.yd. excav., 47,400 cu.yd. concrete, 4,750,000 lb. steel, 30,540 ft. 6- to 10-in. vitr. conconcrete pipe, 22,430 ft. 24- to 72-in. rein.-con. pipe, 6,400 cu.yd. sand and gravel, 40,000 ft. treated timber piling, 3,500 ft. 18 in. vitr. or concrete connecting pipe, etc., to T. Kelly & Sons, Hill Street Bldg., 1,473,994. Engrs. est. $1,800,000. Noted Mar. 26.

Calif., Los Angeles — See "Streets and Roads."

Ont., Toronto—York Twp. 8,000 ft. 36 in. concrete outfall sewer, to Nelson River Constr. Co., Bank of Hamilton Bldg., $83,300. Engrs. est. $85,000.

Waste Disposal

PROPOSED WORK

Wis., Shorewood (Milwaukee P. O.)—Plans garbage incinerator. $14,000. H. A. Schmitt, Village Hall, engr.

BIDS DESIRED

Pa., Port Vue (mail McKeesport)—Boro taking bids 30 ton incinerator. $28,000. L. Savage, Peoples Bank Bldg., McKeesport, engr.

Bridges

PROPOSED WORK

Md., Baltimore—Making plans concrete and steel bridge on Belair Rd. and Herring Run. $40,000. B. L. Crozier, City Hall, highways engr.

North Carolina — State Hy. Dept., Raleigh, plans rein.-con. bridges over Chowan River, on State Project 109-B, between Edenton and Windsor, Bertie and Rowan Counties. $600,000. C. M. Upham, highway engr.

North Carolina — State Legislature authorized Yadkin Co. (Yadkinville) and Surrey Co. (Dobson) to issue $30,000 bonds for bridge across Yadkin River at Rockford; Davidson Co. (Lexington) and Davie Co. (Mocksville) $200,000 bonds for bridge across Yadkin River.

North Carolina—See "Streets and Roads."

Ia., Marshalltown — See "Streets and Roads."

Kan., Kansas City—Making plans 500 ft. steel and concrete lower deck to Intercity viaduct from 3rd St. and Armstrong Ave. to connect with proposed paved road. $100,000. R. L. McAlpine, City Hall, engr.

Texas—Wichita Co., Wichita Falls and Oklahoma State Hy. Dept., Oklahoma City, plan steel and concrete bridge across Red River, on State Highway 2. $250,000. Address B. D. Sartin, judge Wichita Co., Wichita Falls.

Tex., Gatesville — See "Streets and Roads."

Tex., Washington—Brenham Co. making plans 2 spans 240 ft., rein.-con. and steel bridge across Brazos River on State Highway 20, between Chappel Hill and Hempstead. $400,000. State Aid appropriates $250,000 toward cost. G. A. Bracher, Brenham, co. engr.

California — State Hy. Comn., Sacramento, rejected bids Feb. 24, one 30 ft. and three 60 ft. span, rein.-con. girder bridge over Ventura River, Ventura Co. R. M. Morton, highway engr. Noted Feb. 12.

Ont., Toronto — Plans replacing 100 ft. highway bridge, 66 ft., probably rein.-con. and concrete, on Winchester St. $26,000. R. C. Harris, city engr.

BIDS DESIRED

Mass., Grafton—Apr. 10, by Town, J. Hickey, chn. Bd. Selectmen, rein.-con. bridge over Blackstone River, at Depot St., Farnumsville Dist. $25,000. Private plans.

Conn., New Haven—Apr. 12, by W. V. Barry, city bridge engr., City Hall, 3 span 214 ft. rein.-con. bridge replacing one at Willow St. $70,000. Noted Oct. 23.

S. C., Charleston — Apr. 23, at offices Sanitary & Drainage Comn. of Charleston Co., 39 Broad St., steel and concrete bridge over Wappoo Creek between St. Andrews Parish and James Island.

S. C., Kingstree — See "Streets and Roads."

Ohio—Apr. 10, by Dept. Highways & Pub. Wks., Columbus, bridge on Sect. "Yorkville," in Belmont Co., $18,161; concrete bridge on Sect. "H-Bridges" Woodfield-Sisterville Rd., Monroe Co., $44,101; temporary bridges on Sect. "Twin Cr. Bridges," National Rd., Preble Co. $4,427. A. V. Donaheys, div. highways.

Kan., Girard—Apr. 7, by Clerk Crawford Co., 8 rein.-con. and steel bridges in various parts of county. $30,000. C. M. Cooper, Girard, engr.

California—Apr. 13, by State Hy., Comn., Sacramento, three 46 ft. and two 21 ft. rein.-con. span bridge on concrete piers and pile bents, 30 ft., over San Juan Creek, Orange Co., also eight 54 ft., span rein.-con. bridge on concrete piers, 40 ft. roadway, two 6 ft. sidewalks, etc., over San Gabriel River, Los Angeles Co. R. M. Morton, Forum Bldg., highway engr. Noted Mar. 26.

BIDS RECEIVED

North Carolina—State Hy. Comn., Raleigh, Mar. 24, **(S. P. means State Project)**, rein.-con. bridges and culverts on S. P. 824, Cleveland Co., from E. A. Wood & Co., Andrews, $69,772; on S. P. 394, Robeson Co., from Kiker & Yount, Reidsville, $77,973; on S. P. 487-A, Wake Co., from Roanoke Bridge & Iron Wks., Roanoke, Va., $77,471.

CONTRACTS AWARDED

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, three arch rein.-con. bridge and approaches over Charles River, at Cambridge St., Boston, and River St., Cambridge, to L. S. White, 25 Huntington Ave., Boston, $238,518. Noted Mar. 19.

Conn., New Haven—Director Pub. Wks., City Hall, rein.-con. bridge over Marris Creek, at South End Rd., to A. Di Marco, 61 Main St., Plainville, $24,019. Engrs. est. $25,000. Noted Mar. 12.

Pa., Phila.—See "Streets and Roads."

S. C., Charleston — Sanitary & Drainage Comn., 39 Broad St., viaduct over Atlantic Coast Line and Southern Ry. tracks at five Mile, near here, 2,374 cu.yd. concrete, 350,700 lbs. reinforcing, etc., to A. R. McMurray, 507 East Scott St., Knoxville, Tenn. $79,241. Noted Feb. 12.

Alabama—State Hy. Dept., Montgomery, steel superstructure for 3 span 855 ft. bridge over Alabama River, in Montgomery and Elmore Counties, to Riley & Bailey, International Life Bldg., St. Louis, Mo., $129,745. Noted Feb. 19.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 36, Sect. 17-B, Pike Co., to C. T. Laird, Pittsfield, $32,478. Noted Dec. 11.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 9, Sect. 21-B, McLean Co., to J. T. Pinkstaff, Lawrenceville, $11,810; bridge on Route 9, Sect. 19-B, Ford Co., to G. H. Goodlink, Lawrenceville, $15,117. Noted Feb. 26.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to Huff & Gaines, Logan, Ia., 5 rein.-con. slab bridges, incl. six 10 ft., two 9 ft., nine 12 ft. and one 25 ft. spans, Route 9, Sect. 46-B, Vermilion Co., $18,576; to W. C. Johnson, Belleville, 5 rein.-con. girder bridges, incl. three 40 ft., one 30 ft. and one 50 ft. spans, also one 20 ft. span rein.-con. slab bridge, 170 ft. rein.-con. substructure and twenty-five 50 ft. span girder approaches, Route 12, Sect. 1-B, Lawrence Co., $130,000; to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., 170 ft. span steel superstructure, Route 12, Sect. 1-C, Lawrence Co., $13,690, one 73 ft. and two 82 ft. span steel superstructures, Route 7, Sect. F-2, Will Co. $10,558, two 168 ft. steel span superstructures, Route 5, Sect. 15-C, Winnebago Co. $36,692, two 150 ft. steel span superstructure, Route 9, Sect. 39-C, Fulton Co. $20,960, one 110 ft. steel superstructure, Route 29, Sect. U-1, Bureau Co. $8,528; to M. M. McDonald, Lincoln, 2 rein.-con. slab bridges, incl. two 20 ft. and one 14 ft. spans, Route 27, Sect. 15-B, Carroll Co., $8,015; to F. Kaney, Forreston, two 45 ft. span, rein.-con. girder bridge, Route 27, Sect. 16-B, Ogle Co., $13,511; to M. R. Devo, East Peoria, one 50 ft. span rein.-con. girder bridge, one 140 ft. span rein.-con. substructure, also three 50 ft. and two 35 ft. girder approach spans, Route 8, Sect. 44-B, Knox Co., $41,162; to Central States Bridge Co., eight 140 ft. steel spans superstructures, Route 8, Sect. 44-C, Knox Co., $11,009; to C. Barth, Marion, one 31 ft. and two 39 ft. span rein.-con. girder bridges, Route 1, Sect. 37-V, Johnson Co., $8,447; to Dees Bros., Oblong, two 50 ft. span rein.-con. girder bridge, Route 33, Sect. 7-B, Effingham Co., $17,446; to Hertken & Sayer, St. Louis, Mo., two 150 ft. span rein.-con. substructures, and ten 50 ft. rein.-con. girder approach spans, Route 9, Sect. 39-D, Fulton Co., $57,770; to A. C. Jensen, 1311 Western Blvd., Racine, Wis., two 63.5 ft. rein.-con. span girder bridge, Route 19, Sect. 86-D, Cook Co., $40,339; to A. T. Munsen, Marion, five 30 ft. rein.-con. span bridge, one 120 ft. rein.-con. substructure, and five 30 ft. rein.-con. girder approach spans, Route 29, Sect. U, Bureau Co., $62,837; to Joliet Bridge & Constr. Co., Joliet, four 45 ft. rein.-con. girder spans, Route 22, Sect. 15-B, Will Co., $32,962; to Hartman-Clark Bros., Dwight, one 30 ft., 40 ft. and one 60 ft. rein.-con. span girder bridge, Route 45, Sect. 1-B, LaSalle Co., $16,866; to Stresenreuter Bros., 3020 South Halsted St., Chicago, one 6 ft. culvert and seven 55 ft. plate girder spans, Route 46, Sect. A-2, Cook Co., $96,116. Noted Feb. 26.

Ia., Ft. Madison—Atchison, Topeka & Santa Fe R.R. Co., Railway Exch., Chicago, Ill., substructure for steel and concrete bridge across Mississippi River, here, to Union Bridge & Constr. Co., 903 Sharp Bldg., Kansas City, Mo., $1,500,000.

Ia., Sac City—See "Streets and Roads."

Neb., North Platte — State Hy. Dept., Lincoln, 7 new bridges, here, to General Constr. Co., 722 Peters Trust Bldg., Omaha, $58,580. Engrs. est. $65,000.

Neb., Wakefield—See "Excavation, Drainage, Irrigation, Levees."

Missouri—State Hy. Dept., Jefferson City, one 40 ft. rein.-con. deck girder span, etc. over stream and one 51 ft. and four 35 ft. rein.-con. deck girder spans, etc. over Missouri Pacific R.R. tracks, Johnson Co., to A. A. Davis, Gr. Exch., Oklahoma City, Okla., $6,616 and $12,987 respectively; two 80 ft. steel truss spans and four 30 ft. I-beam spans, etc. over west fork Grand River, Worth Co., to Lamereaux Bros., Omaha, Neb., $26,685; three 100 ft. steel truss spans, two 40 ft. rein.-con. deck girder spans, etc. over Salt River, Shelby Co., to Vincennes Bridge Co., Vincennes, Ind., $32,708; two 12 ft. rein.-con. slab spans, etc. over stream, Marion Co., to C. H. Atkinson Paving Co., Watertown, S. D., $3,115; one 25 ft. rein.-con. deck girder span, etc. over Winn Creek, Macon Co., $5,320; one 60 ft. rein.-con. arch span, spandrill filled over Long Branch, Caldwell Co., to Land Constr. Co., St. Joseph, $6,017; one 60 ft. steel truss span, etc. over Cuivre River, Audrain Co., to H. A. Worman, Perryville, $10,578. Noted Mar. 12 under "Streets & Roads."

California—State Hy. Comn., Sacramento, one 200 ft. fixed steel, one 124 ft. steel bascule and eight 26 ft. rein.-con. girder approach span bridge on concrete piers and bents over San Joaquin River, near Mossdale, San Joaquin Co., to McKay-Schruth

Bridges (Continued)

Eng. Co., Railway Bldg., Los Angeles, $193,650. Engrs. est. $209,792. Noted Feb. 26.

Calif., Antler (Bayles P. O.)—State Hy. Comn., Sacramento, one 36 ft., two 42 ft. and two 20 ft. span rein.-con. girder bridge across Salt Creek about 6 mi. south of here, Shasta Co., to N. Lovelace, Visalia, $17,232. Noted Feb. 26 under "California."

Dams

PROPOSED WORK

Tex., Cotulla—La Salle Co. plans earth and rein.-con. dam to irrigate 65,280 acres, incl. 180 mi. control and 40 mi. check levees, 510 mi. cross levels, cutting 176 mi. cinders, also running 42 mi. traverse lines, 5 mi. base levels and 22 mi. cross levels at dam site A and B, 18 mi. canal line south and 16 mi. north of river. $1,800,000. A. P. Rollings, engr. in charge.

Calif., El Modena—J. T. Carpenter Water co., et al, plans hydraulic earth fill dam with clay core on Santiago Creek. $600,000.

Calif., Stockton—Made plans gravity and arch type flood control dam, below San Andreas, 1,300 ft. long on crest, 146 ft. above stream bed, arch section 70 ft. thick at base, 104,000 cu.yd. concrete. $1,500,000. W. B. Hogan, city engr. Noted Feb. 5.

Que., Chicoutimi—See "Buildings-Industrial."

BIDS DESIRED

Mo., Cameron—Apr. 9, by M. Wiley, clk. Bd. Pub. Wks., spillway and raising earth dam, incl. clearing and grubbing 0.65 acres, 13,600 cu.yd. earth and 650 cu.yd. shale excav., 136 cu.yd. concrete, 1,000 sq.yd. rock slab pavement top of dam, 354 sq.yd. grouted and 997 sq.yd. plain riprap, etc. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Railways

PROPOSED WORK

Ohio—Cleveland R.R. Co., c/o G. L. Radcliffe, genl. mgr., Hanna Bldg., plans double tracking St. Clair Ave. between London and Bliss Rds. $296,137, Euclid Ave. between Ivanhoe Rd. and East Ave. $343,625, and State Rd. between Cypress Ave. and Lee Rd., $397,639; new tracks on Cedar Rd. between Lee and Warrensville Centre Rds. $218,996, West 117th St. between Clifton Blvd. and Thrush Ave. $323,698, Wade Park Ave. between East 66th St. and Superior Ave. $101,000, and 13 loops $376,000. J. W. Clark, engr.

Missouri—Wabash Ry. Co., Exch. Bldg., St. Louis, making plans grading and laying tracks on 109 acres, also new round house, coal storage yards, machine shops, icing plant, docks and office building, in North Kansas City. $200,000. R. H. Howard, Railway Exch. Bldg., St. Louis, ch. engr.

California — Southern Pacific R.R., 65 Market St., San Francisco, plans approximately 10 mi. railroad extension in Meridian between Reclamation Dists. 1660 and 70. $500,000. G. W. Bosche, ch. engr.

Quebec—Montreal Tramways Co., Craig St. W., Montreal, plans to extend city lines 54 mi. $2,000,000 or more. A. Hutchison, supt.

BIDS DESIRED

New Jersey—May 7, by North Jersey Dist. Water Supply Comn., 20 Clinton St., Newark, relocating Erie R.R. at Wanaque Reservoir. A. H. Pratt, ch. engr.; adv. E. N.-R. Apr. 2.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ind., Muncie—Made preliminary plans dredging 2 mi. White River, and straightening course of same, etc., 608,000 cu.yd. excav. $400,000. J. Watson, City Bldg., engr.

Kan., Galena—Citizens Com., c/o I. C. Perkins, chn., making preliminary plans changing course of Short Creek to drain mines in Galena Field, etc. $60,000 up. W. Ricksecker, City Hall. engr.

Tex., Cotulla—See "Dam."

Tex., Victoria—Victoria Co. and City making surveys levee on west side Guadalupe River, 5 mi. north of here, to irrigate several thousand acres. $100,000 or more. Address County Engineer. J. L. Du Pree, city atty.

Nev., Fallon—Truckee—Carson Irrigation Dist. voted $245,000 bonds, constructing approximately 50 mi. drainage canals.

Calif., Tranquillity—Tranquillity Irrigation Dist. plans election, $150,000 bonds, drilling and equipping wells. R. C. McFarland, engr. for district.

BIDS DESIRED

Wyo., Buffalo—Apr. 7, by Comrs. Johnson Co., T. J. Smith, clk., 9,000 yd. excav. and 600 yd. filling in approaches to new Powder River bridge.

Calif., Merced—Merced Irrigation Dist., H. P. Sargent, secy., in market for 2,500 ft. 20 in. concrete pipe.

CONTRACTS AWARDED

Ia., Pocahontas—Pocahontas Co., 14,041 ft. tile, to Humboldt Gravel & Tile Co., Humboldt, $10,240; and labor of installation, etc., to P. Reiman, Rockwell, $4,268. Noted Feb. 26.

Neb., Wakefield — North Logan D.D., 3,506,000 cu.yd. excav. in Sects. 1, 2 and 3, also South Logan D.D., 270,000 cu.yd. excav. in Sects. 1 and 2, to Callahan-Walker Constr. Co., 1106 First Natl. Bank Bldg., Omaha, 0.07 per cu.yd., total $44,390; 4 bridges, 2 in each above districts, to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, $27,453. Noted Mar. 5.

Calif., Los Angeles—See "Sewers."

Streets and Roads

PROPOSED WORK

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, plans highway from Wells St., West Roxbury, through unimproved land and existing thoroughfares to Beacon St., Newton. $530,000. H. I. Harriman, Metropolitan Planning Bd., chn.

Mass., Andover — Bd. Selectmen plans highway and bridge improvements in various sections. $59,000 appropriation. Engineer not selected.

Mass., Boston—Dept. Pub. Wks. plans reconstructing and widening North and South Market Sts. $25,000. J. A. Rourke, comr.

Mass., Brighton (Boston P. O.)—Dept. Pub. Wks., City Hall, Boston, plans probably bituminous macadam resurfacing Western Ave. $60,000. J. A. Rourke, comr.

Mass., Cambridge (Boston P. O.)—Dept. Pub. Wks. plans rebuilding and repairing Bway., Middlesex and Rindge Aves., Hampshire, Jay, Kinnaird Sts. To exceed $25,000. Engineer not selected.

Mass., Montague — Bd. Selectmen plans new roads and highway improvements. $26,000 appropriated. Engineer not selected.

R. I., Providence—Plans probably concrete paving Tower Hill Rd. $400,000. Address State Engineer, State House.

N. J., Belmar—Soon takes bids 12,000 tons gravel for city streets. C. W. Birdsall, Belmar, city engr.

N. J., Belmar—Plans concrete paving ½ mi. F St. $25,000. C. W. Birdsall, city engr.

N. J., New Brunswick—Plans improving Lee, Ward, Remsen, Laurel Duke, Fulton, Robinson and Handy Sts. $184,450. A. Atkinson, City Hall, engr.

N. J., Somerville—Plans concrete paving Division St. $40,000. W. J. Berryman, city engr.

N. J., Toms River—Bd. Freeholders Ocean Co., plans oiling 13 mi. gravel road. J. M. Abbott, Toms River, engr.

Md., Baltimore — Making plans sheet asphalt paving Gwynns Falls Parkway $45,000, North Ave. from Harford Ave. to Washington St. $100,000, North Ave. from John to McMechon Sts. $30,000, Milton Ave. $90,000, Belvidere Ave. $40,000, Pennsylvania Ave. $40,000, Pennsylvania Ave. $40,000, and Fulton Ave., Bloomingdale Rd., Monroe St. and north drive of Edmondsson Ave. S. C. Rowland, 214 East Lexington St., acting chn. paving comn.

W. Va., Cairo—Voted $30,000 bonds, paving various streets. J. E. Overton, clk. City Council.

W. Va., Glenville—Gilmer Co. Glenville Dist. voted $250,000 bonds improving River Rd. F. Lewis, Glenville, engr.

W. Va., Philippi — Barbour Co. voted $450,000 bonds grading, concrete and bituminous macadam surfacing about 11 mi. roads in Pleasants, Philippi and Cove Dists., 18 ft. W. S. Downs, Morgantown, engr. Noted Mar. 19.

North Carolina—State Legislature authorized Halifax Co. to issue $730,000 bonds hardsurfacing roads in Scotland Neck, Roseneath and Palmyra Twps.; Madison Co. $120,000, Stanley Co. $100,000, Alamance Co. $700,000, Columbus Co. $55,000, Ashe and Watauga Counties $100,000 for constructing roads; Brevard Co. $100,000, improving streets and sidewalks; Forest City Co. $250,000, street improvement, sewerage, waterworks and electric lights; Hamlet Co. $40,000 for sidewalks; and Carteret Co. $700,000 road and bridge construction.

North Carolina—State Hy. Comn., Raleigh, plans grading, etc., 5 mi. State Project 116, Chowan Co., $35,000, and 1.5 mi. State Project 109, Bertie Co., $11[illegible]; grading and concrete or asphaltic paving 2.5 mi. State Project 114, Rowan Co., $75,000. C. M. Upham, highway engr.

N. C., Danbury—Comrs. Stokes Co. authorized $120,000 bonds road improvements. S. P. Venable, Vade Mecum, chn. bd. county comrs.

N. C., Plymouth—State Legislature authorized city to issue $300,000 bonds street improvements.

N. C., Wilson—Wilson Co. voted $1,250,000 bonds for road construction.

Miss., Ellisville—Jones Co. election Apr. 3, $200,000 bonds, improving 8 mi. Ellisville-Laurel Rd.

La., New Orleans—City and Highway Comn., Baton Rouge, plan paving Claiborne Ave. State will appropriate $200,000 during 1925, $200,000 in 1926 and $[illegible]00,000 in 1927 toward cost. Noted Dec. 18.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 13 mi. Selmer-Adamsville Rd., McNairy Co. J. G. Creveling, highway comr.

Tenn., Nashville—Plans widening and rock asphalt on macadam surfacing 8th Ave. from Church to Broad Sts. To exceed $25,000. W. W. Southgate, city engr.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids in spring grading, curbing, laying walks and vitr. brick paving 2,160 sq.yd. Clearview Ave., $18,000, 1,150 sq.yd. Willow St., $9,000; grading, laying walks and cindering 300 cu.yd. 6th Ave., $6,300 and 550 cu.yd. Wall St., $5,600. E. A. Kemmler, Delaware Bldg., engr.

O., Akron — Summit Co. takes bids in spring macadam paving 2 mi. Rex Hill-Uniontown Rd., in Greene Twp., 16 ft. $50,000. R. E. Williams, Akron, co. engr.

O., Canton—Bd. Control soon takes bids widening and asphalt surfacing ¼ mi. 4th St. N. W., 38 ft. $25,000-$30,000. W. E. Sarver, City Hall, engr.

O., Canton—Stark Co. plans improving 4 mi. Canton-Lisbon Rd., 16 ft. $100,000-$125,000. A. M. Wise, Canton, co. engr.

O., Canton — Stark Co., plans probably brick paving 2.5 mi. Trump Rd., 16 ft. $60,000-$75,000. A. M. Wise, Court House, engr.

O., Canton — Stark Co. takes bids in spring improving 1.5 mi. Swamp Rd. $30,000. A. M. Wise, Canton, co. engr.

O., Cincinnati—Hamilton Co. plans improving 2.692 mi. Cincinnati-West Union Rd., 32,597 sq.yd. concrete paving and 18,126 cu.yd. grading, $117,485, or 32,597 sq. yd. bituminous macadam paving and 10,921 cu.yd. grading, $119,595. E. A. Gast, Court House, engr.

O., Columbus — Making plans grading, laying necessary water services and sewer connections and paving 1,817 ft. alley west of Garfield Ave. and High St., alley north Long and Grove Sts., and Second Alley north Oak St., 20 ft., brick $14,617, concrete $12,807; 1,602 ft. Swayne and Catherine Sts., 24 ft., brick $31,752, asphalt $26,480; 799 ft. alley north Woodruff Ave., 15.5 ft., brick $4,872, concrete $4,294; 148 ft. Pearl St., 15 ft., brick $871, concrete $770; 205 ft. 5th St., 20 and 30 ft., brick $2,490, concrete $2,207; 7,503 ft. Mound St., 46 ft., brick $97,650, asphalt $79,086; 664 ft. Carrie Ave., 15 and 20 ft., concrete $4,906, brick $5,448. R. H. Simpson, city engr.

O., Columbus — Making plans grading, laying necessary water mains and sewer connections and paving 330 ft. alley north of 2nd Ave., 15.42 ft. brick $2,206, concrete $1,945; 1,750 ft. alley north 2nd Ave., and alleys west of Pregon St., Harrison and Neil Aves., 20 ft., brick $14,318, concrete $12,632; 3,110 ft. Wilson Ave., 30 ft., brick $70,982, asphalt $55,731; 509 ft. alley west Avondale Ave., 16 ft., brick $2,351, concrete $2,936; 363 ft. Elmwood Ave., 18 ft., brick $2,917, concrete $2,589. R. H. Simpson, city engr.

O., Lisbon—Columbiana Co., soon takes bids improving 4.5 mi. Salineville-Summitville-Hanoverton Rd., 16 ft., $150,000, and 3 mi. Salineville-Hanoverton-Summitville Rd., in Franklin Twp., $109,000; grading and hard surfacing 4.44 mi. Hanoverton-Salem Rd., $150,000, cost to be borne by County and Twps. L. C. Kirk, Lisbon, engr.

O., Youngstown—Takes bids in spring, widening east side of Market St. $100,000-$200,000. G. Turner, city engr.

Ind., Anderson — Plans concrete paving 1.5 mi. Noble and 31st Sts., $48,000; also 2 mi. West 22nd and Rocky St., $65,000. M. H. Downey, City Hall, engr.

Mich., Detroit—Making plans 3½ in. sheet asphalt on 8 in. concrete paving 2,420 sq. yd. Ilene Ave., Sect. 2 $12,100; 3,380 sq.yd. Georgia Ave., Sect. 4 $16,920; 950 sq.yd. Lucky Pl. $4,750; 8,660 sq.yd. LaSalle Ave. $43,330; 4,900 sq.yd. McLean Ave. $24,530; 4,740 sq.yd. Vinton Ave. $23,710; 2,780 sq.

Streets and Roads (Continued)

yd. Ford Ave. $13,920, 4,830 sq.yd. Margaret Ave. $24,140, 1,970 sq.yd. Georgia Ave., Sect. 3 $9,890; also one course concrete paving 31,906 sq.yd. 21 alleys $77,880. G. Jerome, city engr.

Mich., Detroit—Making plans 3½ in. sheet asphalt on 8 in. concrete paving 4,560 sq.yd. Puritan Ave. $22,440, 8,200 sq.yd. Rosemary Ave. $40,180, 10,680 sq.yd. Woodstock Dr. $53,220, 3,850 sq.yd. Golden Gate Ave. $19,230, 2,500 sq.yd. Penrose Ave. $12,310, 3,050 sq.yd. Stoepel Ave., Sect. 3 $15,230, 4,800 sq.yd. Tuxedo Ave. $23,900, 3,850 sq.yd. Orleans Ave. $19,220, 1,200 sq.yd. Fairfield Ave. $5,800, 7,170 sq.yd. Goddard Ave. $35,820, 1,980 sq.yd. Springle Ave. $9,850, 3,580 sq.yd. Wetherby Ave. $17,890, 1,410 sq.yd. Sallan Ave. $7,050, 2,530 sq.yd. Balmoral Ave. $12,600, 5,275 sq.yd. Otsego Ave. $26,360, 1,110 sq.yd. Trenton Ave. $5,500, 21,490 sq.yd. Dequindre St. Sect. 1, $107,320, 10,470 sq.yd. Dequindre St., Sect. 2, $52,200, 1,075 sq.yd. Southfield Rd. $5,350, 8,350 sq.yd. Wetherby Ave., Sect. 2, $41,670, 6,120 sq.yd. Philips Ave., Sect. 2, $30,600, 13,660 sq.yd. Nottingham Ave. $68,260, 6,230 sq.yd. Wayburn Ave. $31,110, 2,010 sq.yd. Girrardin Ave. $10,030, 4,670 sq.yd. Penrose Ave. $23,310, 7,820 sq.yd. Marx Ave. $39,150, 850 sq.yd. Maderis Ave. $4,200, 7,110 sq.yd. Lumpkin Ave. $35,460, 5,495 sq.yd. Klinger Ave. $27,360, and 5,360 sq.yd. Eldridge Ave. $26,790. G. Jerome, city, engr.

Ill., East St. Louis—Making preliminary plans natural lake asphalt on present brick resurfacing 26,000 sq.yd. Trendley and 4th Sts. $82,100. W. McK. Brown, City Hall, engr.

Ill., Galesburg—Knox Co. soon takes bids 600,000 to 1,000,000 gal. road oil on various streets. $36,000-$60,000.

Ill., Geneva—Making preliminary plans grading and concrete, vibrolithic or Warrenite surfacing Bennett St. $30,000.

Ill., Kewanee — Soon takes bids brick and concrete surfacing various streets. $130,000.

Ill., Peoria—Plans grading, rein.-con. surfacing, etc., ¾ mi. Prospect Ave. from East Willcox Ave. to Reservoir Blvd., 18 or 20 ft. $25,000. W. E. Emery, Court House, engr.

Wis., Hartford — W. Radtke, city clk., soon takes one and two course rein.-con. or vibrolithic concrete paving 15,000 sq.yd. Johnson and Wisconsin Sts. To exceed $25,000. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engrs. Noted Dec. 25.

Wis., Milwaukee — Milwaukee Co. plans concrete surfacing, etc. 1 11/24 mi. Lovers Lane, 2 mi. Ryan and Atwater Rds., and 9.25 mi. Wauwatosa, 77th, 8th and Layton Aves.; also eliminating 2,000 lin.ft. curve between Cudahy and South Milwaukee. $399,000. J. T. Donaghey, Madison, highway engr.

Wis., Wauwatosa—City, A. V. Bingham, city clk., plans grading and paving several streets, various types material considered. $105,000. J. E. Lowther, City Hall, engr.

Ia., Marshalltown—Marshall Co. making preliminary plans grading and gravel surfacing, bridging, etc., 4.5 mi. road from Laurel to Jasper Co. line Rds., 18 ft. D. C. Elder, Marshalltown, engr.

Ia., Mason City — Plans surfacing approximately 5 blocks various streets. $25,000. C. H. Stevens, city engr.

Ia., Mondamin — Making plans paving, curbing, etc., 12 blocks various streets. $42,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Sioux City — Making preliminary plans grading, curbing, hardsurfacing, etc., 21 blocks South Cornelia, McComb, Fairmount, Dodge, Irene, Marshall, 25th, West 3rd and West 2nd Sts. L. N. Hintgen, City Hall, engr.

Minn., Ortonville—Plans paving, curbing and tiling about 10 blocks 2nd St. $40,000. M. Chamberlin, Montevideo, engr

Minn., St. Cloud—Plans paving, curbing, etc., 32 blocks various streets. $110,000. A. W. Buckman, city clk.

Minn., St. Cloud—Stearns Co. plans grading 19 mi. and graveling 16 mi. various streets. $52,000. M. Cleveland, St. Cloud, engr.

Kan., Howard — Elk Co. making preliminary plans grading, etc., 9.02 mi. Federal Aid Project 217-A, 28 ft. C. B. Alexander, Howard, engr.

Kan., Independence — Montgomery Co. making preliminary plans grading, brick or concrete surfacing, etc., 5 mi. Federal Aid Project 285-A, 18 ft. H. K. Hibbard, Independence, engr.

Kan., Olathe—Johnson Co. takes bids in June, grading and brick on concrete or concrete surfacing 0.55 mi. Federal Aid Project 238-E, 18 and 32 ft. E. J. Terrill, Olathe, engr.

Kan., Wichita — Plans surfacing new street from Water to Francis Sts. $750,000. P. L. Brockway, City Bldg., engr.

Mo., Maryville—Soon takes bids grading, curbing and brick on concrete paving about 8,000 sq.yd. various streets. E. T. Archer & Co., New England Bldg., Kansas City, engrs. Noted Jan. 1.

Mo., St. Louis—Soon takes bids grading and concrete paving alleys in City Blocks 1266, 4391 B, 4502 N, 4503 N, 4534, 5081, 5090, 5091, 5238, 5251, 5319, 5329, 5347, 5403, 5679. $52,500. W. W. Horner, 300 City Hall, engr.

Mo., Webb City—Election Apr. 7, $40,000 bonds paving various streets.

Arkansas—State Hy. Dept., Little Rock, making plans improving 25 mi. Wynne-Harrisburg Rd., Cross and Poinsett Counties, $225,000; 5.9 mi. Nettleton-Lake City Rd., Craighead Co., $28,000; and 22 mi. Hope-Lewisville Rd., Hempstead and Lafayette Counties, $130,000. R. C. Limerick, Capitol Bldg., engr.

Ark., Little Rock—Soon takes bids grading, concrete curbing, guttering and gravel surfacing Paving Dist. 408. $35,000. G. D. Douglass, Southern Trust Bldg., engr. Noted Feb. 19.

Ark., Little Rock—Making preliminary plans grading, hard-surfacing, etc., 9 blocks Pulaski St. W. T. Field, Gazette Bldg., engr.

Ark., Little Rock—Making preliminary plans grading and Bates type concrete paving 11.5 mi. Mablevale Rd., 18 ft. G. D. Douglass, Southern Trust Bldg., engr.

Texas — State Hy. Com., Austin, making plans constructing 150 mi. Pecan Belt Highway beginning at Fredericksburg and running through Mason, Llano, San Saba, and Goldthwaite to Comanche. State Highway Engineer, Austin, engr.

Tex., Amarillo—See "Unclassified."

Tex., Ft. Worth—D. L. Lewis, city engr. taking bids grading, curbing, guttering and Uvalde rock asphalt, Warrenite bitulithic or 3 in. vertical fibre brick paving 4,000 yd. Wilshire St. from Warner Rd. to Forest Park Blvd. $25,000.

Tex., Gatesville — Coryell Co. making plans grading, gravel surfacing and bridging 3.18 mi. State Highway 9, 16 ft. $42,000. M. L. Minter, Gatesville, co. engr.

Tex., Kaufman—Kaufman Co. voted $65,000 bonds, roadwork in Rd. Dist. 4. C. Ashworth, co. judge. Noted Feb. 12.

Tex., Park Place (mail Houston)—Election soon $85,000 bonds paving various streets. Engineer not announced.

Tex., San Augustine — Voted $35,000 bonds sewerage system. W. A. French, city engr.

Tex., Waco — Election Apr. 14, $150,000 bonds permanent paving 7th St. from Washington to Austin Sts. V. G. Koch, city engr.

Okla., Duncan — Stephens Co. election Apr. 7, $245,000 bonds, hard surfacing about 20 mi. various highways. J. W. Scott, Duncan, judge.

Okla., Poteau—Plans grading and concrete surfacing 8,600 sq.yd. streets in Dist. 6. $32,000. J. E. Davis, Poteau, engr.

Calif., Ceres—Made plans improving 4th and 5th Sts., 75,000 sq.ft. 5 in. concrete paving, 11,000 lin.ft. concrete curb, etc. $26,500. D. P. Boothe, city engr.

Calif., Richmond — Plans election bonds to exceed $25,000 resurfacing various streets. E. A. Hoffman, city engr.

Calif., San Anselmo—Made plans improving San Francisco Blvd., etc., 72,500 sq.ft. 4 in. asphaltic concrete paving, 18,000 sq.ft. concrete shoulders, 4,000 lin.ft. concrete curb and gutter, etc. J. J. Jessup, city engr.

Calif., San Diego—Made plans improving Couts, Miller Sts., et al, 3,771 ft. cement curbing, 18,253 sq.ft. cement sidewalks, 10,817 sq.yd. 1.5 in. asphaltic concrete wearing surface on 2.5 in. asphaltic concrete. F. A. Rhodes, City Hall, engr.

Calif., San Francisco—State Bd. Harbor Comn., Ferry Bldg., takes bids about Apr. 7, improving The Embarcadero, between Howard and Washington Sts., 145,000 sq.ft. 2 in. Topeka or Willite surface, 130,000 sq.ft. 6 in. base, 10,000 sq.ft. 2 in. Topeka surface and 3 in. binder in track areas, 15,000 sq.ft. basalt block paving relaid, etc. F. G. White, Ferry Bldg., engr.

Calif., Woodland—Plans opening and paving approximately 5 mi. various streets in southern section of city.

Que., St. Anne de Plaines—Plans paving 2 mi. road. $40,000. Engineer's name withheld.

Ontario — Dept. Provincial Highways, 110 University Ave., Toronto, plans 4½ mi. asphalt and concrete highway in Kent Co. $145,000. G. Hogarth, ch. engr.

Ont., Amherstburg—Plans asphalt resurfacing 10,000 sq.yd. Sandwich St. $25,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Guelph—Plans concrete or macadam paving 10,000 sq.yd. Paisley Rd., Division, Charles and Liverpool Sts. $35,000. H. S. Nicklin, city engr.

Ont., Ottawa—Carleton Co. plans to expend $144,500 on 9 mi. new macadam roads, and $35,000 on maintenance. Patterson & Byrne, 71½ Sparks St., engrs.

Ont., Ottawa — Ottawa Suburban Rds. Comn., plans 7-8 mi. macadam roads in suburbs. $165,000. A. K. Hay, Thistle Bldg., engr.

Ont., Sandwich—Essex Co. plans 16 mi. concrete and macadam roads. $400,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Stratford—Plans concrete curbing, guttering and bitulithic on concrete paving 5,800 sq.yd., Birmingham and Church Sts., $28,500. A. B. Manson, City Hall, engr.

Ont., Toronto—Soon takes bids opening and grading 1,970 ft. lane between Brock Ave. and Margueretta St., 14 ft. $27,500. R. C. Harris, city engr.

Ont., Toronto—North York Twp. voted $50,000 bonds for 10,000 sq.yd. macadam road, and repairs to existing roads, etc. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Mass., Brookline (Boston P. O.) — Apr. 6, by Bd. Selectmen, repairing and constructing coal tar concrete sidewalks, driveways, street crossings, gutters and areas in town as required during year, also furnishing edgestones as required. Private plans.

Connecticut—Apr. 6, by J. A. McDonald, comr. State Hy. Dept., Hartford, waterbound macadam paving roads in Newton, Redding, Montville, Colchester, Hebron, East Lyme and Branford, North Branford and Kent; bituminous macadam paving in Windsor, Windsor Locks, East Granby, Suffield and Milford; rein.-con. paving in Westport; adv. E. N.-R. Apr. 2.

N. Y., Long Island City—Apr. 6, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sheet asphalt repaving Lincoln and Van Wyck Aves., Fresh Meadow Rd., Old South Rd. from City Line to Woodhaven Ave. and Old South Rd. from Long Island R.R. to Three Mile Mill Rd.

N. Y., Middletown — Apr. 17, by Bd. Estimate & Apportionment, at office city clerk, City Hall, paving various streets. J. A. Korschen, comr. Pub. Wks.; adv. E. N.-R. Apr. 2.

N. Y., New York—Apr. 7, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., paving Mosholu and Pelham Parkways, Hunt and Van Nest Aves.; grading Fteley Ave.; also sewers in Benedict and Edison Aves.

N. Y., St. George — Apr. 6, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Stuyvesant Pl., etc.

New Jersey — Apr. 13, by State Hy. Comn., Trenton, 33,177 sq.yd. rein.-con. and 16,249 sq.yd. gravel surfacing Route 4, Sect. 28A, Waretown-Forked River cutoff, Ocean Co. A. L. Grover, secy.; adv. E. N.-R. Apr. 2.

N. J., Neshanic—Apr. 17, by Hillsboro Twp. Com., C. Vancleef, clk., bituminous penetration macadamizing 3.459 mi. Neshanic-Clover Hill Rd. G. Davis, Whitehouse Sta., engr.

N. J., Newark — Apr. 6, at office T. L. Raymond, dir. Dept. Pub. Wks., City Hall, grading, curbing, flagging and 3½ in. sheet asphalt on 6 in. concrete paving, 950 sq.yd. Buffington St. $5,504, 2,510 sq.yd. Cameron Rd. $14,927, 2,500 sq.yd. Highland Ave. $22,209, 2,940 sq.yd. Lexington Ave. $18,710, 6,675 sq.yd. Lake St. $36,650, 1,590 sq.yd. Reeves Pl. $9,210, 1,330 sq.yd. 16th Ave. $8,742, 6,410 sq.yd. South Munn Ave. $37,258, 3,030 sq.yd. Unity Ave. $19,622, 3,170 sq.yd. Vassar Ave. $22,127, 1,240 sq.yd. Emerson Pl. $6,826, 4,560 sq.yd. Lenox St. $22,205, 3,800 sq.yd. Pamona Ave. $20,131, 680 sq.yd. Varsity Rd. $3,352, 3,125 sq.yd. North 11th St. $12,426, 1,510 sq.yd. Romaine Pl. $8,128, 2,466 sq.yd. 3rd St. $11,894; repaving on old concrete base 2,850 sq.yd. Vanderpool St. $15,546, 41,082 sq.yd. Broad St. from Bellville Ave. to Branford Pl. $191,305, and 40,737 sq.yd. Broad St. from Branford Pl. to Poinier St. $183,695; 3 in. sheet asphalt on 6 in. concrete paving 3,630 sq.yd. Commerce St. $12,905; granite block paving 1,450 sq.yd. Ave. B, $18,183.

N. J., Newton — Apr. 15, by Bd. Freeholders Sussex Co., bitumen, tar, cold patch, etc. N. B. Norman, clk.; adv. E. N.-R. Apr. 2.

N. J., Plainfield — Apr. 20, by Common Council, City Hall, sheet asphalt paving West 4th St. A. W. Vars, city engr.; adv. E. N.-R. Apr 2

Pa., Rankin—Apr. 9, by Boro Secretary, Municipal Bldg., natural asphalt or brick paving 2nd Ave. Contr. 1, 3rd Ave. Contr. 2, 4th Ave. Contr. 3, Rankin St. Contr. 4, 5th Ave. Contr. 5, Antisbury St. Contr. 6, and Hawkins St. Contr. 7, totaling 29,200 sq. yd. U. G. Duvall, boro. engr.

Pa., West View—Apr. 14, by Boro Council, grading, curbing and paving Bellevue Ave. from Glenmore to Highland Aves.; concrete sidewalks on Hawthorne Ave.

Streets and Roads (Continued)

from Center Ave. to Roy St. $25,000. Blum Weldin & Co., 417 Grant St., Pittsburgh, engrs. Noted Nov. 13.

Delaware—Apr. 22, by State Hy. Dept., Dover, amiesite or penetration macadam surfacing 0.25 mi. Contr. CN-19-A; concrete paving 1 mi. Contr. SC-40; also one 20 ton heavy duty trailer; adv. E. N.-R. Apr. 2.

Maryland — Apr. 14, by State Roads Comn., Baltimore, concrete paving in Carroll and Caroline Counties; sheet asphalt paving in Baltimore Co.; and graveling in Calvert Co. J. N. Mackall, chn.; adv. E. N.-R. Apr. 2.

Md., Baltimore—Apr. 7, by State Rds. Comn., 601 Garrett Bldg., sheet asphalt paving 0.47 mi. highway along North Ave., Contr. BC-49. J. N. Mackall, chn.; adv. E. N.-R. Apr. 2.

Md., Baltimore—Apr. 8, by Bd. Awards, grading and concrete paving alleys in Contr. 114. B. L. Crozier, City Hall, highways engr.

Md., Towson — Apr. 7, by Comrs. Baltimore Co., macadamizing 1 mi. Dogwood Rd. and 0.05 mi. Rolling Rd., 0.75 mi. Western Run Rd., concrete paving Hydes and Manor Rds., sheet asphalt paving Leeds and 5th Aves. S. A. Green, road engr.

Virginia—Apr. 14, by State Hy. Dept., Richmond, grading Route 23, Project S-139-A and B, incl. rein.-con. bridges over West Fork Little River and Dodds Creek; grading and bituminous macadam paving, etc., Route 36, Project F-167-E; and grading and concrete paving, etc., Route 34, Project F-180-B. C. S. Mullen, ch. engr.; adv. E. N.-R. Apr. 2.

W. Va., Huntington — Apr. 6, by Bd. City Comrs., grading, paving, etc., 4th St. east from 10th to 11th Aves., 4th St. from 11th to 12th Aves., 4th St. west from 9th to 10th Aves., two and one-half alley, 13th, A, 26th, 3rd and 7th Sts., East and Brandon Rds. A. B. Paupin, city engr.

N. C., Hendersonville — Apr. 9, asphalt or other hard surfacing, curbing, guttering, storm drains, sidewalks, water and sewer connections, 60,000 sq.yd. various streets. G. C. White, Durham, engr.

S. C., Kingstree—Apr. 7, at office Supervisor Williamsburg Co., grading, bridging and sand clay surfacing, etc., 21,376 cu.yd. State Route 411, State Project S-573-B. J. M. Martin, Florence, engr.

Miss., Sardis — Apr. 6, by Bd. Supervs. Panola Co., graveling, etc. 14 mi. road between Como and Crenshaw. J. A. Carter, clk.

Kentucky—Apr. 21, by State Hy. Dept., Frankfort, grading, etc., 3.816 mi. West Liberty-Saylersville Rd., 24 and 28 ft., Federal Aid Project 120-B, Morgan Co., and 2.121 mi. same road, 24 and 28 ft., Federal Aid Project 120-A, Magoffin Co.; also waterbound macadam, bank or river gravel surfacing 2.689 mi. Louisville-Paducah Rd., 16 ft., Federal Aid Project 51-B, Henderson Co. E. N. Todd, highway engr.

Ohio — Apr. 10, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 27.221 mi. roads in Allen, Belmont, Brown, Erie, Franklin, Hardin, Miami, Tuscarawas, Warren and Wood Counties. A. V. Donaheys, div. highways.

O., Cleveland—Apr. 8, by City, grading, paving and curbing Greenwood Lane, South Moreland Blvd., Wayside and Cliffview Rds., Hillview, Honeydale, St. Clair, Barberton, Dartmouth and Ferndale Aves., East 161st, East 168th, West 33rd, 61st, and 165th Sts. To exceed $200,000. R. Hoffman, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—Apr. 9, by improving Fairmount Blvd. and Woodview Rd. $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Indiana — Apr. 14, by State Hy. Comn., Indianapolis, bituminous macadam paving 25 mi. and treating 50 mi. roads in Lawrence, Harrison, Floyd, Monroe, Clark, Adams, Allen, Wells, Henry, Delaware, Grant, Ohio and Dearborn Counties. $400,000. J. D. Williams, dir.

Ind., Angola—Apr. 6, by F. Hubell, engr., Angola, grading and graveling 14,172 ft. Wilkes Rd., 30 ft., for Steuben Co. $26,815.

Ind., Bloomfield — Apr. 7, by H. Schlott, Bloomfield, engr., grading and graveling 3 mi. Fitzpatrick Rd., 24 ft., for Greene Co. $26,000. Noted Mar. 26.

Ind., Bluffton—Apr. 6, by C. Devenport, engr., Bluffton, grading and graveling 2.8 mi. Herrmann Rd., 24 ft., for Wells Co. $25,368. Noted Mar. 26.

Ind., Crawfordsville—Apr. 6 by W. Harding, engr., Crawfordsville, concrete paving 19,120 sq.yd. Bowers Rd., 18 ft., for Montgomery Co. $62,000.

Ind., Decatur—Apr. 7, by D. Boch, engr., Decatur, grading and crushed stone surfacing 2.56 mi. Mills Rd., 24 ft., for Adams Co. $26,000.

Ind., Fowler — Apr. 6, by D. Heaton, engr., Fowler, grading and graveling 13,240 ft. Cook Rd., 30 ft., for Benton Co. $25,410.

Ind., Indianapolis — Apr. 10, by G. Schmidt, engr., Indianapolis, concrete surfacing 45,192 sq.yd. Tibbs Ave., $130,919 and 12,320 sq.yd. Allisonville Rd., $32,586; also concrete retaining wall, $15,664, for Marion Co.

Ind., Indianapolis — Apr. 14, by G. Schmidt, engr., Indianapolis, concrete paving 22,528 sq.yd. Lyndhurst Dr. Rd., $54,077, 23,936 sq.yd. Hardin Rd., $54,295; grading and graveling 3 mi. 52nd St. Rd., $25,600, for Marion Co.

Ind., Logansport—Apr. 7, by R. A. Hyman, engr., Logansport, grading and graveling 3 mi. Winn Rd., for Cass Co. $25,920.

Ind., Monticello—Apr. 7, by City Engineer, sheet asphalt paving 19,200 sq.yd. Bluff Rd. $47,023.

Ind., Newport—Apr. 6, by J. C. Ingram, engr., Newport, grading and graveling 3 mi. Hollingsworth Rd., 24 ft., for Vermillion Co. $25,550.

Ind., Newport—Apr. 7, by J. C. Ingram, engr., Newport, concrete paving 8,721 sq.yd. Shaw Rd., for Vermillion Co. $25,719.

Ind., Plymouth—Apr. 6, by J. Hildbrand, engr., Plymouth, grading and graveling 3 mi. Krouse Rd., 24 ft., for Marshall Co. $26,000. Noted Mar. 26.

Ind., Portland — Apr. 6, by H. Teeters, engr., Portland, grading and graveling 2.9 mi. Luers Rd., 24 ft., for Jasper Co. $25,800. Noted Mar. 26.

Ind., Williamsport — Apr. 6, by J. R. Gregory, engr., Williamsport, concrete paving 9,390 sq.yd. Judy Rd., for Warren Co. $26,634.

Mich., Coldwater—Apr. 7, by Bd. Comrs. Branch Co., Court House, gravel surfacing 3,331 mi., Matteson Lake Rd., Sherwood Twp., 2.201 mi. Fox School Rd. Ovid Twp., 1.504 mi. Matteson Lake Rd., Matteson Twp., 0.994 mi. Union City Rd., Batavia Twp. 1.41 mi. Union City Rd., Union Twp., and 2.464 mi. Coldwater Lake Rd. Coldwater Twp.

Mich., Grosse Pointe Farms (Deroit P. O.)—Apr. 7, by J. A. Kerby, village clk. one course 9 in. concrete paving 17,000 sq.yd. Grosse Pointe Blvd. $80,000.

Ill., Harvey—Apr. 6, by J. A. Alten, city secy., grading and concrete surfacing, etc., 31,000 sq.yd. various streets. A. W. Henry, City Hall, engr.

Wis., Beloit—Apr. 6, by Pub. Wks. Comn., 5 in. concrete, asphaltic concrete or one course rein.-con. paving 23 streets, 62,800 sq.yd. pavement if combined curb and gutter is used, 75,000 sq.yd. if integral curb is used, 4,800 sq.yd. in street car zone, 46,000 ft. combined concrete curb and gutter, 26,200 cu.yd. excav.; 3 in. vertical fibre brick, concrete, sheet asphalt, or one course rein.-con. paving 3 streets, 29,200 sq.yd. paving, 3,000 sq.yd. in track zone, 13,000 ft. combined curb and gutter, 10,000 cu.yd. excav. G. E. Heebink, City Hall, engr. Noted Aug. 14.

Wis., Fond du Lac—Apr. 8, by Bd. Pub. Wks., one and two course rein.-con., asphaltic concrete, sheet asphalt or vibrolithic concrete paving 22,226 sq.yd. Carpenter, Lloyd, Marys, Warner, 12th, 13th, South Sibley, Follett, Boyle and South Sts. G. H. Stanchfield, City Hall, engr.

Wis., Waukesha—Apr. 8, by C. J. Hahn, highway comr., improving 3.6 mi. Janesville Plank Rd., 11,143 cu.yd. excav., 38,000 sq.yd. concrete surfacing, 19,344 ft. 6.25 in. parting strip, etc., in Waukesha Co. J. T. Donaghey, Madison, state highway engr.

Ia., Des Moines—Apr. 2, by City Council at office A. E. McGlothlen, city clk., brick and concrete sidewalks in Dists. 1 and 2, for fiscal year ending Mar. 31, 1926. C. M. Garver, mayor.

Minn., Fergus Falls—Apr. 9, by City, H. J. Collins, city clk., rein.-con., vibrolithic concrete, asphaltic concrete, vitr. brick or warrenite bitulithic paving, etc., 21,670 sq. yd. various streets. $55,000. Siverts & Nelson, 300 Builders' Exch., Minneapolis, engr.

Minn., Pipestone—Apr. 8, by T. A. Bailey, aud. Pipestone Co., gravel surfacing about 12,444 cu.yd. Job 2502, State Aid Rd. 13, in Pipestone and Rock Counties, and about 9,600 cu.yd. Job 2501, State Aid Rd. 11, Pipestone Co. H. Smith, Pipestone Co., and J. Brown, Rock Co., Luverne, engrs.

Minn., St. Paul—Apr. 7, by H. W. Austin, city purch. agt., 3,480 bbl. cement and 205 tons asphalt etc., for paving Hewitt Ave.; 1,040 bbl. cement, and 62 tons asphalt etc., for Goodrich Ave.; 810 bbl. cement, [illegible] sq.yd. 3 in. vertical fibre brick, and [illegible] tons asphalt for driveway in Como Park; 1,150 bbl. cement, 1,353 sq.yd. 3 in. brick, and 49 tons asphalt for Como Ave.; 480 bbl. cement, and 26 tons asphalt, for Sargent Ave.; 450 bbl. cement and 27 tons asphalt, etc., for Lafond St. C. H. Shepard, city engr.

Minn., St. Paul—Apr. 7, by H. W. Austin, city purch. agt., curbing, 7 in. rein.-con. paving, 11,963 sq.yd. Snelling Ave. $32,000. G. M. Shepard, city engr.

Minn., Wabasha — Apr. 14, by Comrs. Wabasha Co., F. J. Appel, aud., improving Job 2501, State Rd. 2, 70,000 cu.yd. excav., monolithic culverts and one 20 ft. span bridge; also Job 2402A, State Rd. 8, [illegible],000 cu.yd. excav. and monolithic culverts, $35,000.

Kan., Topeka—Apr. 8, by E. M. Covell, city clk., grading, 6 and 8 in. concrete surfacing, etc., 44,113 sq.yd. various streets.

Neb., Falls City—Apr. 13, by M. Naylor, city clk., paving with **(a)** brick **(b)** asphaltic concrete (Trinidad asphalt) **(c)** asphaltic concrete (oil asphalt) or **(d)** rein.-con., 14 blocks, 21st, 25th, Morton and McLean Sts. in Dist. 25, **(a)** $51,309 **(b)** $39,933 **(c)** $39,334 **(d)** $37,835, 13 blocks Fulton, 12th, Weaver and Reavis Sts., in Dist. 27, **(a)** $58,382 **(b)** $44,899 **(c)** $44,190 **(d)** $43,481, 16th, 17th, Dewey and Nemaha Sts. in Dist. 28, **(a)** $37,850 **(b)** $28,084 **(c)** $27,676 **(d)** $27,267; curbing, grading and gravel surfacing streets in Impvt. Dist. 29, $4,625.

North Dakota — Apr. 8, by State Hy. Comn., and Bd. Comrs. Benson Co., at Court House, Minnewaukan, graveling, etc., 7.07 mi. Federal Aid Project 189, about 0.5 mi. south and about 6.5 mi. west of Minnewaukan, also 5.072 mi. Federal Aid Project 157, about 5 mi. southeast of Leeds along railroad track, both in Benson Co.

North Dakota — Apr. 9, by State Hy. Comn., and Comrs. Griggs Co., Court House, Cooperstown, graveling, etc., 5.843 mi. Federal Aid Project 108 A, and 5.05 mi. Federal Aid Project 109 C, both Griggs Co.

North Dakota — Apr. 10 by State Hy. Comn. and Bd. Comrs. Towner Co. at Cando, grading, clearing, grubbing, etc., 6.066 mi. Federal Aid Project 263B

North Dakota — Apr. 13, by State Hy. Comn., and Comrs. Cavalier Co., at Langdon, grading, clearing and grubbing 4 mi. Federal Aid Project 280.

Tex., Coleman—Taking bids improving Commercial, Pecan and Live Oak Sts., 12,952 yd. new base, 1,903 yd. stone added and laying 1,295 yd. bituminous surface, $60,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Karnes City—Apr. 17, by O. N. Powell, engr., grading 9.05 mi. Rd. Dist. 3, State Highway 16. $70,000. O. N. Powell, Karnes City, engr. Noted Jan. 15.

Okla., McAlester—Apr. 6, by R. Evans, grading and concrete surfacing 5 blocks Seminole Ave. and A St., 26 ft. $27,500. F. Frazer, McAlester, engr.

Okla., Wetumka — Apr. 10, by C. N. Hamilton, city clk., grading and vitr. brick surfacing 7,000 sq.yd. St. Louis St. $32,800. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Washington — Apr. 14, by State Hy. Comn., Olympia, grading, etc., 4.5 mi. State Rd. 1, Pacific Highway, Clarke Co.; grading, gravel or crushed rock surfacing 2.76 mi. State Rd. 1, Pacific Highway, King Co., 3.2 mi. State Rd. 14, Navy Yard Highway, Kitsap Co., 7.5 mi. State Rd. 6, Pend O'Rielle Co., 9.6 mi. State Rd. 4, Lincoln Co.; concrete paving 5.1 mi. State Rd. 3, Walla Walla Co., 0.55 mi. State Rd. 5, King Co., 6.5 mi. State Highway 1, Pacific Highway, Pierce Co., 1 mi. State Rd. 3, Yakima Co. J. W. Hoover, Olympia, engr.

California—Apr. 13, by State Hy. Comn., Sacramento, asphaltic oncrete paving 1.9 mi. highway between Ortega Hill and Santa Barbara, Santa Barbara Co. R. M. Morton, highway engr. Noted Feb. 19.

Calif., Chico—City Trustees taking bids improving various streets north of 5th St., east of Main St., etc., 373,000 sq.ft. 5 in. asphalt in concrete paving, 9,000 sq.ft. cement sidewalks, 16,000 sq.ft. cement gutters, 17,000 ft. 5 in. concrete alley paving, etc. R. H. Witt, city engr. Noted Mar. 19.

Calif., Glendale — City Council taking bids improving Howard, Bway., Geneva Sts., etc., 80,400 sq.ft. grading, 76,200 sq.ft. asphaltic concrete paving, 772 ft. "B" curbing, 3,817 sq.ft. sidewalks, etc. To exceed $25,000. B. F. Dupuy, city engr.

Calif., Isleton — Town Trustees taking bids improving various streets, 190,000 sq.ft. grading, 8,000 ft. concrete curbing, 190,000 sq.ft. 5 in. concrete, 3 in. asphaltic

Streets and Roads (Continued)

concrete, or 1.5 in. Willite paving, etc. R. Naas, Antioch, engr. Noted Dec. 18.

BIDS RECEIVED

Mass., Roxbury (Boston P. O.)—Dept. Pub. Wks., City Hall, Boston, recut granite block paving various streets, here, from J. McCourt Co., 48 Walt St., $31,211. Noted Mar. 19.

R. I., East Providence (Providence P. O.) —From J. McCormick, 315 Taunton Ave., Providence, bituminous macadam paving John St. $5,887, James St. $13,662, Purchase St. $9,101, 5th St. $4,278, and Roger Williams Ave. $14,395. Noted Mar. 19.

New York—A. W. Brandt, comr. State Hy. Dept., Albany, **(e. e. means engineer's estimate)**, constructing and reconstructing highways, 5.26 mi. Highway 1704, Dresden-Geneva Rd., Part 2, Ontario Co., from J. H. Bolton, Watkins, $218,015, e. e. $261,018; 1.85 mi. Highway 1703, Heimann-Healy Corners, Allegany and Steuben Counties, from H. W. Patterson, Hornell, $83,109, e. e. $99,428; 8.55 mi. Highways 1668, 8176 and 1671, Ulster and Greene Counties, from Ferber-Gill Co., Inc., 16 Johnson Ave., Hackensack, N. J., $337,843, e. e. $351,561; 4.04 mi. Highway 8203, Hubbardsville-North Brookfield Rd., Madison Co., from P. Battifarano, Woodcliff-on-Hudson, N. J., $188,917, e. e. $214,229; 2.35 mi. Highway 1494, Lancaster-Clinton St., Erie Co., from Holmes & Murphy, Orchard Park, $95,406, e. e. $111,994; 3.44 mi. Highway 42, Newburgh-Woodbury Rd., and 5591-415, Newburgh-Cornwall Rd., Orange Co., from J. L. Kehoe Constr. Co., Inc., Newburgh, $151,-649, e. e. $177,841. 2.24 mi. Highway 5323, Penn Yan-Halls Corners, Yates Co., from Parlor City Constr. Co., Binghamton, $89,-442, e. e. $102,709; 1.59 mi. Highway 5144, Monroe-Oxford Rd., and 5297, Oxford-Chester Rd., Orange Co., from Hull & Hollenbeck, Central Valley, $83,889, e. e. $90,725; 1.99 mi. Highway 521, Massena-Waddington Rd., St. Lawrence Co., from W. T. Thayer & Co., Chateaugay, $81,324, e. e. $90,978; 0.73 mi. Highway 179, Schenectady-Albany Rd., Schenectady Co. from Malloy Constr. Co., Schenectady, $44,137, e. e. $49,016; 1.21 mi. Highway 5209, Utica-Frankfort Rd., Herkimer Co., from Utica Constr. Co., Inc., 622 South St., Utica, $51,992, e. e. $58,521; 3.55 mi. Highway 529, Alden Town Line-Marilla Rd., Erie Co., from F. W. Knickenberg, 702 Michigan Ave., Buffalo, $143,547, e. e. $172,405; 6.65 mi. Highway 581, Yates-Lyndonville-Ridgway Rd. and Highway 5556, Ridgeway-Gaines Rd., Orleans Co., from W. J. Gallagher, Medina, $205,336, e. e. $250,203; 3.74 mi. Highway 1705, Schuyler Falls Rd., Clinton Co., from T. S. O'Brien, Albany, $146,689, e. e. $162,642; 0.74 mi. Highway 865, Mt. Kisco Village, Westchester Co., from F. Roeber Co., Inc., 507 5th Ave., New York City, $39,740, e. e. $48,831; 3.02 mi. Highway 480, Buffalo, Monroe Co., from D. T. Ripon, Inc., Carter Bldg., Rochester, $109,134, e. e. $130,-449. Noted Feb. 26.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Mar. 27, sheet asphalt repaving Franklin and Central Aves., from Uvalde Asphalt Paving Co., 1 Bway., New York City, $43,670 and $30,143 respectively. Noted Mar. 26.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Mar. 23, **grading, curbing, sidewalks, etc.**, on Charlotte Pl., from C. Kurth, 9519 126th St., Richmond Hill, $4,335; Roosevelt Ave., from Welsh Bros. Contg. Co., 32 Queens St., Astoria, $19,165; 86th Ave., from P. J. Greenough Eng. Co., 9301 86th Rd., Woodhaven, $4,067; 101st St., from J. J. O'Brien Jr., William St., Jamaica, $6,315; Cornaga Ave., from H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, $1,573. Noted Mar. 19.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Mar. 26, from Asphalt Constr. Co., 208 Bway., sheet asphalt paving Walton Ave., $116,-387; from Interboro Asphalt Co., 2306 Creston Ave., sheet asphalt paving Monterey Ave. $19,234; bituminous concrete paving East 207th St. $18,198; from C. D. Beckwith, 2875 Bway., sheet asphalt paving St. Lawrence Ave. $34,217; from Burnside Contg. Co., Burnside Ave., grading, curbing, etc., Gouverneur Ave. $9,331; from T. DiRoma, 33 Evelyn Pl., grading, etc., Wilson Ave. $17,820, from Gramaglia Bros., DeWitt Pl., $6,289. Noted Mar. 19.

Pennsylvania—State Dept. Hys., Harrisburg, Mar. 27, **(R. means Route and A. Application)**, rein.-con. surfacing R. 268, Washington Co. and R. 48, Bedford Co., from M. Bennett & Sons, Indiana, $236,667 and $658,057 respectively; A. 3123, and R. 63,857, A. 3124 and 3126, both Jefferson Co., from M. J. McMahon, Brookville, $71,403 and $94,890 respectively; R. 214, A. 3150, Clarion Co., from D. W. Challis & Sons, Inc., 420 Centennial Ave., Sewickley, $189,103; R. 121-122, Huntingdon Co., from J. L. Plummer, Inc., Johnstown, $459,940; A. 2212, Lebanon Co., from C. B. Johns & Bro., Malvern, $151,757; R. 242, Washington Co., from A. G. Rothey, Elizabeth, $97,-687; R. 259, Northumberland Co., from R. C. and I. T. Fiss, Shamokin Dam, $23,664; R. 268, Washington Co., from Blue Ridge Constr. Co., Inc., Uniontown, $80,572; R. 57, Blair Co., from McClure & Bingner Co., Inc., 1014-1015 U. S. Bank Bldg., Johnstown, $23,305. Noted Mar. 12.

Pa., Phila. — Bureau Hys., Dept. Pub. Wks., Mar. 25, from Curtis Bros., State Rd., grading Aldine, Bleigh, Crispin, Leon and Tudor Sts. $35,439, from Morrissey Bros., 4345 North 7th, B and Lowden Sts. $4,705, from McNicol Paving & Constr. Co., 1319 Cherry St., Ditman St. $8,781, from R. B. Wenner, 2313 Walnut St., Dover St. $1,052, from H. A. McClermox, 13th St., 65th and 66th Sts. $4,811; from Eastern Asphalt Co., Colonial Way, asphalt repaving Allegheny St. $64,662, York St. $25,-986, from Union Paving Co., 30th and Locust Sts., Baltimore St. $52,969, Market St. $111,616, redressed granite block repaving Richmond St. $52,079, 60th St. (track area) $34,378; from Barber Asphalt Co., 30th and Race Sts., asphalt repaving Tasker and 23rd Sts. $22,140, Wood St. $3,711, improving intersection 9th St. and Roosevelt Blvd. $5,240, paving Bensalem Ave. Bridge over Pennypack Creek $24,235; from Municipal Paving Co., 702 Catharine St., redressed granite block repaving Christian St. $39,368, 2nd St. $42,774, from C. G. Centrone, Jefferson Bldg., Station St. $1,792, from Acchione & Canuso Paving Co., 804 South 12th St., 7th St. $12,143, from Mazzola & Marano, 739 South 7th St., 11th St. $89,140; from J. F. and P. O'Roarke, 925 South 47th St., curb and footway work (city to pay) $11,599; from City Paving Co., 732 Kater St., paving and repaving certain alleys $2,595.

Maryland—State Roads Comn., 801 Garrett Bldg., Baltimore, concrete paving 2.5 mi. Contr. AA42, Anne Arundel Co., from Christhilf & Ensey, 1625 Ridgely St., Baltimore, $112,228; 1 mi. Contr. H-44, Harford Co., from G. A. Atkinson, Port Deposit, $28,803; 2.5 mi. Contr. Q-22, Queen Annes Co., from Highway Eng. & Contg. Co., Selbyville, Del., $43,487; 1.59 mi. Contr. W1-29, Wicomico Co., from Holt Constr. Co., Federaldburg, $48,922; 2 mi. Contr. F-69, Frederick Co., from Gosnell, Russell & Co., Frederick, $71,995; 3.5 mi. Contr. CO-37, Caroline Co., 1 mi. Contr. S-22, Somerset Co., and 1.5 mi. Contr. WO-39, Worcester Co., from Hannemann-Burroughs Co., Adkins Bldg., Salisbury, $76,985, $35,310 and $45,628 respectively. Noted Mar. 12.

North Carolina—State Hy. Comn., Raleigh, Mar. 24, **(S. P. means State Project)**, grading and concrete or asphaltic paving 8.35 mi. S. P. 815-B, and 8.62 mi. S. P. 915-A, both Cherokee Co., from R. H. Wright & Sons, Dillsboro, $212,252 and $229,949 respectively, 6.3 mi. S. P. 297, Wilson Co., and 6.5 mi. S. P. 161, Nash Co., from Highway Eng. & Constr. Co., Selbyville, Del., $197,101 each, 3.44 mi. S. P. 753-C, Stokes Co., from G. R. Martin, Salisbury, $99,137, 10.77 mi. S. P. 215, Craven Co., from Virginia Eng. Co., Inc., Newport News, Va., $277,520, 12.61 mi. S. P. 720-C, Caldwell Co., from Thompson-Caldwell Constr. Co., Cherryville, $318,352; grading 6.57 mi. S. P. 486-A, Wake Co., and 6.62 mi. S. P. 348, Lee Co., from C. B. Hester, Greensboro, $55,558 and $52,869 respectively, 10.19 mi. S. P. 824, Cleveland Co., from Geer & Wilson, Rutherfordton, $63,845, 12.30 mi. S. P. 394, Robeson Co., from J. F. Mulligan Constr. Co., North Wilkesboro, $95,318. Noted Mar. 5.

O., Zanesville — Improving Dryden St., from Republic Asphalt Paving Co., Hamilton, $26,352. Engrs. est. $30,000.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., 4,750 sq. yd. Wildemere Ave. $22,167, 4,640 sq.yd. Bedford Rd. $22,633, 2,480 sq.yd. Burt Ave. $12,113, 7,980 sq.yd. Beaconsfield Ave. $37,-018, 2,040 sq.yd. Gladys St. $9,949, 2,210 sq.yd. Griggs Ave., Sect. 2 $10,343, 4,650 sq.yd. Keller Ave. $21,761, 4,050 sq.yd. Burnette Ave. $19,359, 14,590 sq.yd. La Salle Ave. $63,263; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 1,106 sq.yd. Waverly Ave. $5,713; from M. R. Hanna Co., 1636 Dime Bank Bldg., 2,680 sq.yd. Hawthorne Ave. $13,318, 11,600 sq. yd. Iverness Ave. $53,511.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, Mar. 16, concrete surfacing 12.17 mi. Route 5, Sects. 28 and 29, Jo Daviess Co., from Black Hawk Constr. Co., Waterloo, Ia., $276,799, 6.26 mi. Route 5, Sects. 30 and 31, Jo Daviess Co., from Western States Paving Co., Davenport, Ia., $107,522, 6.5 mi. Route 1, Sect. 32, Saline Co., from French Constr. Co., Fairfield, $109,979, 17.99 mi. Route 9, Sects. 37, 38, 40, 41 and 41-D, Fulton and McDonough Counties, $376,874, 11.11 mi. Route 9, Sect. 46, Vermilion Co., from E. Patterson Constr. Co., Casey, $109,785, 7.21 mi. Route 12, Sect. 1, Lawrence Co., from M & P Contg. Co., Rockport, Ind., $121,705, 11.18 mi. Route 22, Sect. 20, Lake Co., from Universal Eng. Co., Bedford, Wis., $229,-921, 7.11 mi. Route 23, Sect. 3, La Salle Co., from Trompeter & Sons, Peru, $165,084, 10.09 mi. Route 23, Sect. 4, La Salle Co., from H. Zolper & Sons, Mendota, $240,752, 9 mi. Route 23, Sects. 29, 30 and 31, De Kalb and La Salle Counties, from Henkel Constr. Co., Mason City, Ia., $340,313, 15.39 mi. Route 36, Sects. 11, 12 and 13, Adams Co., from Hamilton Hoffman Constr. Co., Carbondale, $380,000, 1.27 mi. Route 37, Sects. 11-X and 13-V, Franklin and Williamson Counties, from Mitchell Constr. Co., Marion, $35,888, 2.57 mi. Route 31, Sect. 10, Schuyler and Brown Counties, from McMahon Constr. Co., Rochester, Ind., $74,-664, 3.31 mi. Route 38, Sect. 2, Jersey Co., from Nelson Constr. Co., Edwardsville, $73,563, 6.4 mi. Route 43-A, Sect. 1, Menard Co., from Duncan Constr. Co., Champaign, $121,856, 11.3 mi. Route 39, Sects. 12 and 13, Champaign and Piatt Counties, from Divine Constr. Co., Watseka, $288,000, 0.29 mi. Starved Rock Park, Sect. P-4, La Salle Co., from R. K. Carr, Ottawa, $9,495; brick surfacing 11.86 mi. Route 8, Sect. 40, and Route 41, Sect. 14, Knox Co., from Central Eng. Co., Putnam Bldg., Davenport, Ia., $414,000; gravel surfacing 2.14 mi. Route 12, Sect. 9, Richland and Clay Counties, from R. G. Flauger Constr. Co., Urbana, $21,014; grading 50,780 cu.yd. Route 12, Sect. 1-A, Lawrence Co., from W. T. Bland, 716 Walnut St., Murphysboro, $16,642, 23,300 cu.yd. Route 38, Sect. 2-A, Jersey Co., from Edwardsville Constr. Co., Edwardsville, $17,760, 56,865 cu.yd. Route 27, Sect. 16-A, Carroll and Ogle Counties, from Cameron, Joyce & Co., Keokuk, Ia., $29,261 15,000 cu.yd. Route 8, Sect. 50-A, Tazewell Co., from E. M. Roche, Freeport, $47,683, 1.94 mi. Route 33, Sect. 7-A, Effingham Co., from A. D. Johnson, Paxton, $16,691. Noted Nov. 27 and Dec. 25.

Wis., Columbus—W. H. Pietzner, city clk., Mar. 19, 13,088 sq.yd. paving, etc., various streets, from O'Dea & Shafer, Madison, vibrolithic concrete at $2.21 per sq.yd., total $47,173, one course rein.-con. at $2.08, total $45,472; from J. Rasmussen & Sons, foot of 7th St., Oshkosh, asphaltic concrete $52,236. Noted Mar. 12.

Wis., Elkhorn — H. J. Peters, highway comr., Walworth Co., Mar. 24, grading, curbing, guttering and paving, etc., 4 mi. Lake-Geneva-Williams Bay Rd., 36,660 sq.yd. 18 in. and 3,500 sq.yd. 27 in. concrete, from R. R. Birdsall Constr. Co., 1025 12th St., Racine, $94,513. Noted Mar. 19.

Wis., Waupun—Bd. Pub. Wks., Mar. 23, 16,640 sq.yd. paving, etc., various streets, from Schreiber & Waterworth, Randolph, vibrolithic concrete, $53,653; from J. Rasmussen & Sons, foot of 7th St., Oshkosh, asphaltic concrete, $59,742; from General Contg. Co., 1222 Plymouth Bldg., Minneapolis, Minn., Warrenite-bitulithic concrete, $66,380. Noted Mar. 12.

Minn., St. Paul — H. W. Austin, city purch. agt., Mar. 17, from Thornton Bros., 318 Endicott Bldg., asphaltic concrete paving 9,138 sq.yd. Carroll St. $25,900, 3,875 sq.yd. Montrose Pl. $14,732, and sheet asphalt paving 7,340 sq.yd. Cromwell and Bayless Aves. $24,478; from Hanlon & Okes, 1501 Merchants Natl. Bldg., brick on concrete paving 7,688 sq.yd. Beach St. $23,-998. Noted Mar. 12.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Mar. 24, from Bridges Asphalt Paving Co., Buder Bldg., asphalt paving 6,815 sq. yd. 18th St. $34,080, granite curbing and asphaltic concrete paving 2,030 sq.yd. Concord Pl. $11,971, 2,940 sq.yd. Robert Ave. $16,308, concrete curbing and asphaltic concrete surfacing 615 sq.yd. Pennsylvania Ave. $5,116; from Granite Bituminous Paving Co., Railway Exch. Bldg., Warrenite bitulithic paving 4,959 sq.yd. Belt Ave. $22,115, 10,450 sq.yd. De Tonty St. $58,663, Lake Ave. $17,901; from Blackburn-Crean Constr. Co., Chouteau Trust Bldg., concrete curbing and concrete paving 1,515 sq.yd. Frederick St. $7,509; from Eyermann Constr. Co., 1216 South Grand Blvd., granite curbing and concrete paving 4,135 sq.yd. Nagle Ave. $21,718; from Skrainka Constr. Co., Security Bldg., granite curbing and brick on concrete surfacing 2,040 sq.yd. West Park Ave. $12,289; from Brighton Constr. Co., 211 Josephing Bldg., Warrenite bitulithic paving 4,200 sq.yd. San Francisco Ave. $20,559. Noted Mar. 5.

Tex., Houston — Paving Main St. and Bellaire Blvds. from Main Blvd. to Almeda Rd., from Smith Bros. Inc., Amer. Exch.

Streets and Roads (Continued)

Natl. Bank Bldg., Dallas, $188,838. Engrs. est. $125,000.

Wash., Seattle — From Fiorito Bros., 3950 6th St. N. W., improving Waters Ave. et al., 1,600 ft. special curb $0.25 per ft., 47,200 sq.yd. concrete sidewalk $1.38, 5,500 cu.yd. earth excav. $0.75, total (1 course) $99,376 (2 course) $99,376. Engrs. est. $104,892.

Calif., Los Angeles—From G. R. Curtis Paving Co., 2440 East 26th St., improving Leeward Ave., 2,184 sq.ft. gutter at $0.22 per sq.ft., 356 sq.ft. sidewalk $0.19, 970 cu. yd. excav. total $1,250, 41,483 sq.ft. 1.5 in. on 5 in. Warrenite bitulithic paving $0.23 per sq.ft., etc., total $11,577; from Griffith Co., Railway Bldg., improving 53rd St., 389 ft. curb $0.75, 5,553 sq.ft. gutter $0.23, 4,492 sq.ft. sidewalk $0.18, 2,355 cu.yd. excav. $2,800, 1,840 sq.ft. 2 in. sheet asphalt $0.08, 84,632 sq.ft. asphaltic concrete paving $0.19, etc., total $21,640; from Chalmers & Ford, H. W. Hellman Bldg., improving Nordhoff St., 7,367 cu.yd. cut and 1,500 cu.yd. fill, total $5,000, 208,037 sq.ft. 6 in. concrete base $0.18, etc., total $49,466.

Calif., San Diego—A. H. Wright, city clk., Mar. 16, from E. P. Ford, 4200 Highland Ave., 9,545 cu.yd. excav. at $0.50 per cu.yd., 74,851 sq.ft. 4 in. concrete paving $0.173, 17,784 sq.ft. concrete sidewalks $0.17, 3,822 ft. concrete curbs $0.60, etc., total $23,077. Noted Mar. 5.

Calif., Tulare—City, from Valley Paving & Constr. Co., Visalia, improving various streets, 241,807 sq.ft. 4 in. Willite paving at $0.19 per sq.ft., 241,807 sq.ft. grading $0.023, 25,655 sq.ft. concrete paving $0.21, 25,655 sq.ft. grading $0.03, total $73,190.

CONTRACTS AWARDED

New Hampshire — W. A. Stone, state purch. agt., State House, Concord, furnishing and applying asphalt, 138,000 gal. 45%, 679,934 gal. 65%, 9,034 gal. 90%, 340 tons 60-70 penetration, 195,175 gal. 100-120 penetration, to Standard Oil Co. of New York, 31 St. James St., Boston, Mass., 45% $0.0921 per gal, 65% $0.103, 90% $0.1234, 100-120 $0.0163 per gal. tank car, furnishing 100-120 $0.115 per gal. bbl. or drum, 60-70 to destination given $25.55 per ton, to any point in state $27.15 per ton, to Alden Speare's Sons Co., 156 6th Ave., Cambridge, Mass., furnishing 100-120 $0.093 per gal. tank car, to M. Moulton, Jr., 6 Beacon St., Boston, Mass., furnishing and applying 100-120 to East Kingston, Exeter, Milton, Rochester and Stratham, $0.1595 per gal. by truck; furnishing and applying 24,000 gal. tar Tarvia A, and 2,568,646 gal. tar Tarvia B, to Barrett Co., 11 Beacon St., Boston, Mass., $0.1355 per gal. Noted Mar. 5.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves. to Regan Towers Co., 124 West 121st St., granite block paving Kingsbridge Rd. from Fordham Rd. to East 194th St. $53,365, asphalt block repaving Grant Ave. $45,348; to Burnside Contg. Co., 270 Burnside Ave., asphalt block repaving Southern Blvd. $63,-085; to Leonard Paving Co., Woolworth Bldg., granite block paving Kingsbridge Rd. from Jerome to Sedgwick Aves., $112,-473, to St. George Granite Co., 90 West St., East 138th St. $90,824; to C. D. Beckwith, 2875 Bway., sheet asphalt paving Clifford Pl. $9,898, Eastburn Ave. $17,746, to Gaffney Constr. Co., 50 East 42nd St., Nelson Ave. $33,750, to Interboro Asphalt Paving Co., 2306 Creston Ave., Shakespeare Ave. $40,349. Noted Mar. 26.

N. J., Flemington — Bd. Freeholders Hunterdon Co., to Dosch King Co., East Orange, 5,000 gal. X or U3 tar $0.1519 per gal., and 107,000 gal. B or U.B. tar $0.1505; to Barrett Co., 50 Rector St., New York City, 15,000 gal. K.P. or U.C. tar for patch $0.19 per gal.; to Asphalt Service Co., New Brunswick, 25,200 gal. asphalt $0.14; to R. C. O. Atlantic Refining Co., 1211 Chestnut St., Philadelphia, Pa., 27,000 gal. asphalt $0.15 per gal.; to A. E. and H. K. Headley Good Roads Co., Franklin Trust Bldg., Phila., Pa., 9,000 gal. asphalt 0.19 per gal.; to Natl. Slag Co., Widener Bldg., Phila., Pa., 500 tons ¾ in. slag $2.30, and 860 tons slag chips $2.30.

N. J., Highlands — Bd. Freeholders Monmouth Co. (Freehold), concrete paving 1.27 mi. Highlands-Stone Church Rd., to Jannorone Constr. Co., 225 Passaic Ave., Belleville, $88,036.

N. J., Salem—Bd. Freeholders Salem Co., 405,000 gal. slow curing asphaltic oil, to Asphalt Service Inc., New Brunswick, $43,254.

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application and R. Route)**, concrete paving 62,130 sq.yd. R. 169, Luzerne Co., to R. Hopkins Co., Box 1025, Albany, N. Y., $318,950, 63,900 sq.yd. in Franklin Co., to Souder Constr. Co., Woolworth Bldg., Lancaster, $271,264, 81,300 sq. yd. R. 95, Warren and McKean Counties, to Irwin & Payne, Evans City, $424,461, 98,130 sq.yd. R. 14, Susquehanna Co., to D. Schoentag, Saugerties, N. Y., $516,774, 119,125 sq.yd. R. 164, Monroe Co., to R. L. Bonham Co., Bridgeton, N. J., $505,853, 44,770 sq.yd. R. 211, A. 2889 and 3223, McKean Co., to J. F. Morgan Co., Olean, N. Y., $239,643, 37,300 sq.yd. R. 184, Luzerne Co., to D. W. Davis & Sons, 19 Union St., Kingston, $178,059, 20,919 sq.yd. R. 112, Fayette Co., to Donora Constr. Co., Donora, $121,367, 76,097 sq.yd. R. 92, Clarion Co., to Connell Laub & Bracht, 51 Woodcrest Ave., Dayton, O., $325,818, 70,-840 sq.yd. R. 88, Warren Co., to H. E. Bunce, 125 Fulton St., Olean, N. Y., $383,-804, 45,840 sq.yd. R. 164, Carbon and Monroe Counties, to McInerney & McNeal, Northampton Natl. Bank, Easton, 64,388 sq.yd. R. 245, Blair and Center Counties, to J. M. Hutchinson, Altoona, $410,826, 64,-400 sq.yd. R. 47, Bedford Co., to C. Winters Constr. Co., Butler, $291,313, 22,410 sq. yd. R. 296, Susquehanna Co., to Holleran Bros., 901 Linden Pl., Elmira, N. Y., $102,-107, 29,088 sq.yd. R. 52, A. 3050, Somerset Co., to McClure & Bingner, Johnstown, $146,960, 52,296 sq.yd. R. 31, Perry Co., to Swanger & White, 2nd and Canal Sts., Lebanon, $253,966, 2,263 sq.yd. A. 3203, R. 206, Mercer Co., to Du Bois Constr. Co., Du Bois, $11,701, 58,186 sq.yd. R. 59, Elk Co., to W. C. Quick & Co., Brookville, $296,783, 23,384 sq.yd. R. 234, A. 3096, Clearfield Co., to Lord Constr. Co., Hastings, $142,-223, 108,563 sq.yd. R. 241, Bradford and Wyoming Counties, to Public Service Production Co., 80 Park Pl., Newark, N. J., $642,462, 79,587 sq.yd. R. 198, A. 3157, Montgomery Co., to Ambler Davis Co., Harrison Bldg., Phila., $301,913, 84,008 sq.yd. R. 95, McKean Co., to D. L. Dennis, Smethport, $429,001, 11,527 sq.yd. R. 5, Luzerne Co., to J. Newcomb, 156 Carroll St., Pittston, $55,014, 27,771 sq.yd. R. 336, A. 2923, Dauphin Co., to W. M. Moser, Mt. Carmel, $127,991, R. 83, A. 31, Crawford Co., to Lewis & Frissinger, Rockford, O., $93,441, 48,931 sq.yd. R. 295, Crawford Co., to Russell Bros., Youngstown, O., $234,278, 79,-783 sq.yd. R. 219, Center Co., to James & Nicholson, Inc., Johnstown, $458,763, 95,690 sq.yd. R. 99, Cameron and Elk Counties, to W. D. Fote, 130 South 4th St., Olean, N. Y., $506,806, 113,907 sq.yd. R. 48, Bedford Co., to Bester-Long Co., Hagerstown, Md., $544,146, 28,300 sq.yd. R. 251, Butler Co., to Rood Constr. Co., Lyric Theatre Bldg., Butler, $210,754, 57,300 sq.yd. R. 92, Clarion Co., to J. McCarty Constr. Co., Union City, $261,184; 56,950 sq.yd. R. 62, Sect. A, and 33,866 sq.yd. R. 219 and 313, both Clearfield Co., to Avery & Bailey, Phillippsburg, $339,990 and $148,432 respectively, 87,352 sq.yd. R. 189, and 83,995 sq.yd. R. 63, both Indiana Co., to Johnson Drake & Piper, Inc., 834 Soo Line Bldg., Minneapolis, Minn., $417,241 and $382,228 respectively, 76,400 sq.yd. R. 110, Greene Co. and 56,900 sq.yd. R. 325, Washington and Greene Counties, to T. Cronin Co., South 18th and Fox Sts., Pittsburgh, $532,158 and $366,772 respectively, 9,291 sq.yd. R. 52, A. 3158, and 32,-396 sq.yd. R. 50, A. 3049, both Somerset Co., to A. W. Hinaman, Mansfield, $40,952 and $154,336 respectively; grading R. 84, Crawford Co., 709 cu.yd. earth and 6,354 cu.yd. borrow excav., to Milliron Constr. Co., Inc., Du Bois, $7,153, R. 88, Warren Co., 564 cu.yd. earth and 51,171 cu.yd. borrow excav., to E. C. Jones, Great Valley, N. Y., $50,555; asphalt on concrete surfacing 8,838 sq.yd. R. 73, Mercer Co., to Alleghany Paving Co., 1204 Park Bldg., Pittsburgh, $37,870. Noted Feb. 19 and Mar. 12.

Pa., Crafton — Repaving Crafton Ave. from Steuben to Belvidere St., to W. T. Clary, Crafton. Engrs. est. $100,000.

Pa., Phila. — Bureau Hys., Dept. Pub. Wks., to Curtis Bros., State Rd. and Unruh St., grading Ashville, Decatur, Hartell, Lansing and Napfle Sts. $18,896, to R. B. Wenner, 2313 Walnut St., Boyer and Sharpnack Sts. $4,896, to A. Koch, 4284 Parkside St., Diamond St. $3,097, to Richards-Kelly Co., 349 North 47th St., Lippincott, Natrona and 33rd Sts. $17,779, to Dewees Bros., 5th and Fishers Ave., Wellesley Rd. $1,985; to Union Paving Co., 30th and Locust Sts., asphalt paving Dicks St. $17,020, to Eastern Paving Co., Penna Bldg., Lawrence St. $2,573, Wagner and Warnock Sts. $6,017, redressed granite block repaving 15th St. $46,333; to Barber Asphalt Co., 239 North 30th St., asphalt paving 16th St. $15,155, 32nd St. $7,443, asphalt repaving Dudley, Durfur, Fernon, Fitzgerald, Winton and Wolf Sts. $22,235; to B. Foster Co., Inc., 205 Venango St., improving Botanic St. $3,263; to Municipal Paving Co., 701 Catharine St., redressed granite block repaving 2nd St. $58,063, 21st St. $10,455, to Acchrone & Canuso Paving Co., 804 South 12th St., 12th St. $27,146, to M. J. McCrudden, 1134 Real Estate Trust Bldg., 13th, Glenwood and 12th Sts. $53,071; to G. F. Dobbin, 1020 South 47th St., reconstructing Market St. Bridge over Baltimore and Ohio R.R., $24,662; to L. Bokser, 1518 North 8th St., curbing and footway work $10,861, (property owner to pay 6th highway district).

Maryland — State Roads Comn., Baltimore, concrete paving 2.5 mi. Contr. Q-22, Queens Annes Co., to Highway Eng. & Contg. Co., Selbyville, Del., $43,487; 1.59 mi. Contr. WI-29, Wicomico Co., to Holt Constr. Co., Federalsburg, $48,922; 3.5 mi. Contr. CO-37, Caroline Co., and 1.5 mi. Contr. WO-39, Worcester Co., to Hannemann-Burroughs Co., Adkins Bldg., Salisbury, $76,985 and $45,628 respectively.

Md., Baltimore — Bd. Awards, concrete paving 12,890 sq.yd. Contr. 271-OANA, to J. J. Bresnan, Old Pimlico Rd., $33,787; sheet asphalt paving 9,510 sq.yd. Contr. 272-OCOA, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $41,228, and 19,375 sq.yd. Contr. 273-OCOANA, to Amer. Paving Co., Montebello Ave., $86,-964. Noted Mar. 26.

W. Va., Huntington — Sheet asphalt on concrete surfacing 2 mi. Washington Blvd. and brick and concrete surfacing 1.25 mi. Ritter Blvd., both 24 ft., to Hatfield Constr. Co., 418½ 10th St., $119,669 and $77,341 respectively; 4 in. brick on concrete surfacing 6 mi. 4th St. and Madison Ave., 24 ft., to J. A. Griffith, 1651 Washington Ave., $25,000, 0.25 mi. 17th Alley and 10th Ave., 12 and 20 ft., to G. Henkle, 1736 6th Ave., $12,000; brick on concrete surfacing 1 mi. Olive St., 24 ft., to L. J. Gillespie, 1751 5th Ave., $45,413; concrete surfacing 0.6 mi. Arlington Blvd., 24 ft., to G. Pence, 1454 4th Ave., $25,677. Noted Mar. 12.

W. Va., Philippi—Barbour Co., concrete and bituminous macadam on rock surfacing 6.84 mi. roads in Union Dist., 18 ft., to Gillooly & Marshall Co., Buckhannon, $279,-600. Noted Mar. 5.

N. C., Nashville — Nash Co., clearing, grubbing, grading and sand clay or topsoil surfacing 50 mi. various roads, to N. L. Teer, Durham.

Tenn., Livingston — Overton Co. Rd. Comn., grading, etc., 8 mi. Livingston-Twinton Rd., to F. H. Crowe & Co., 42nd Ave. N., approximately $25,000.

O., Cleveland — Cuyahoga Co., concrete paving Ford Rd. and Bishop Rd. 1 and 2 to Ohio Contg. Co., Hunkin-Conkey Bldg., $52,710 and $85,921 respectively; penetration macadam paving Tuxedo Lake Rd., to Loesch & Green Co., Bedford, $30,217. Noted Mar. 26.

O., Cleveland—Grading, curbing, guttering and vitr. brick paving 10,130 sq.yd. Munn Rd., to Freshwater Constr. Co., Davis & Farley Bldg., $62,710; grading, curbing, guttering and asphaltic concrete paving 8,500 sq.yd. Soika Ave., to H. G. Herring, Pavers Exch., $35,744. Noted Mar. 5.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and concrete paving 600 ft. Pearl St., 12 and 20 ft., to Yale Constr. Co., 146 Yale Ave., $3,597, 726 ft. 2nd alley west of 4th St., 20 ft., to Federal Paving Co., 996 McAllister Ave., $4,416; asphaltic concrete paving 3,000 ft. Northwest Blvd., 100 ft., to B. F. Patterson, 1214 Neil Ave., $65,484; asphalt paving 957 ft. Hamilton Ave., 23 and 30 ft., and 2,181 ft. Cleveland Ave., 45 ft., to Knight & Wells, 483 Oak St., $11,803 and $39,045 respectively, 6,504 ft. 17th Ave., 30 ft., to A. W. Burns Constr. Co., 316 South High St., $63,-717, 878 ft. Ann St., 24 ft., to Franklin Asphalt Paving Co., 209 South High St., $10,-559; 1,580 ft. 8 in. sanitary sewer in Frebis Ave., to W. J. Waever, 135 Oakland Park Ave., $2,344. Noted Mar. 12.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and asphalt paving 3,330 ft. Champion Ave., 30 ft., to Franklin Asphalt Paving Co., 209 South High St., $56,923. Noted Feb. 26.

O., Zanesville—Sheet asphalt paving Putnam Ave., to General Asphalt Paving Co., 1268 Dueber Ave. S. W., Canton, $25,508; also Lexington Ave., to Brewer & Brewer Sons Co., Chillicothe, $27,869. Engrs. est. $30,000 each.

Ind., Indianapolis—Concrete paving 17,-600 sq.yd. Harding St., to Standard Paving Co., Guaranty Bldg., $2.89 per sq.yd.; and 1,621 ft. Delaware St., to McNamara Constr. Co., 946 West New York St., $34,-897, engrs. est. $35,000.

Mich., Detroit—To Otis Cement Constr. Co., 806 Hammond Bldg., one course concrete paving 463 sq.yd. Alley 2125 $1,212. 697 sq.yd. Alley 2121 $1,815, 705 sq.yd. Alley 2120 $1,798, 1,590 sq.yd. Alley 2118 $3,897, 1,086 sq.yd. Alley 2117 $2,797, 2,030 sq.yd. Alley 2114 $4,969, 1,740 sq.yd. Alley 2115 $4,216; to L. W. McKenna, 2658

Streets and Roads (Continued)

Harding Ave., 505 sq.yd. Alley 2124 $1,284, 490 sq.yd. Alley 2123 $1,271, 518 sq.yd. Alley 2122 $1,446; to R. J. Powelson & Co., 6415 Iroquois Ave., 937 sq.yd. Alley 2119 $2,333, 1,405 sq.yd. Alley 2116 $3,548.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 5, Sect. 40, Winnebago Co., to G. Welch, Beloit, Wis., $53,167, Route 10, Sect. 35, Vermilion Co., to A. J. Parrish, Paris, $99,078, Route 46, Sects. 461, 463 464 and 465, Cook Co., to Chicago Heights Coal Co., Chicago Heights, $619,000; grading Route 15, Sect. 14-A, Jefferson Co., to T. J. Crowley & Son, Centralia, $6,951. Noted Dec. 11 and 26.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, surfacing Route 1, Sect. C-1, Iroquois Co. and Route 27, Sect. D-1, Carroll Co., to Shanks & Gannon, Watseka, $165,172, Route 4, Sect. 28, Will Co., and Route 4, Sect. 29, DuPage County, to R. F. Conway Co., 844 Rush St., Chicago, $344,188, Route 43, Sect. 3, Mason Co., to Jansen & Schaefer, 212 North Cap St., Pekin, $101,380, Route 27, Sect. 15, Carroll Co., to Stevens Bros. and McCree & Co., Merchants Natl. Bank Bldg., St. Paul, Minn., $143,633, Route 1, Sect. 47 and 48, Vermilion Co., to Glove Constr. Co., Evansville, Ind., $270,564; grading Route 36, Sect. 16-A and 17-A, Pike Co., to Stevens Bros., St. Paul, Minn., $79,920. Noted Feb. 26.

Ill., Galesburg — Grading, vitr. brick on concrete surfacing, etc. 6,060 sq.yd. West Brooks St., to Graham King Constr. Co., 550 South Cedar St., $24,074, engrs. est. $25,000; 3,345 sq.yd. Garfield Ave., to H. H. Gunther, 600 East Main St., $13,382, engrs. est. $13,592. Noted Mar. 19.

Ill., Peoria — Bd. Local Impvts., to A. Biehl, 1011 3rd Ave., vitr. brick on concrete surfacing 9,375 sq.yd. Atlantic St. $27,918, 1,500 sq.yd. Missouri St. $4,482, and 2,800 sq.yd. Maryland Ave. $8,415.

Wisconsin—State Hy. Comn., at Office 2, 208 Stephenson Bldg., Milwaukee, improving Fond du Lac-Oshkosh Rd., Federal Aid Project 364-A, Fond du Lac Co., 8,839 sq.yd. widening, 21,355 sq.yd. 20 ft. concrete paving, etc., to F. D. Hayes, Hayes Block, Janesville, $55,276. Noted Mar. 12.

Wis., Kenosha—C. M. Osborn, city mgr., sheet asphalt paving 73,900 sq.yd. 21 streets, and asphaltic concrete paving 31,200 sq.yd. 10 streets, to J. Rasmussen & Sons Co., foot of 7th St., Oshkosh, $233,554 and $92,429 respectively; and rein.-con. paving 9,900 sq.yd. 3 streets, to H. J. Glover & Son, Schwartz Bldg., $29,422. Noted Mar. 12.

Wis., Milwaukee — Dept. Pub. Wks., improving 1 alley, to Texas Constr. Co., 446 68th Ave., West Allis, $2,340; 1 alley, to E. C. Borst, Manitowoc, $5,938; 1 alley, to G. W. Hirth, 1309 7th St., $1,233; 3 alleys, to Ryback & Sadowpki, 1092 2nd Ave., $13,531; 2 alleys, to Schwerm Bros., 50 Lee St., $2,521; and 3 alleys, to Parkinson Constr. Co., 322 27th St., $10,635. Work involves 12,160 sq.yd. concrete paving 3,900 cu.yd. excav., etc. Noted Mar. 19.

Ia., Sac City—Sac Co., to E. W. Koltterman, 1805 Dodge St., Omaha, Neb., 111,000 cu.yd. grading at $0.2385 per cu.yd. and 9,000 cu. yd. at $0.30 per cu.yd.; to Ft. Dodge Culvert Co., Ft. Dodge, 5,040 ft. 12 in. culvert pipe at $0.567 per ft. and 840 ft. 15 in. culvert pipe at $0.67 per ft.; to Des Moines Steel Co., 421 S. W. 4th St., Des Moines, 40,000 lb. reinforcing bars $3.245 for ½ in. and $3.045 for ¾ in.; to T. Tobin, 909 Masonic Temple, Des Moines, 2 car loads lumber $33.75 per ft.; to Farmers Lumber Co., Sac City, 1 car load cedar piling at $0.1075 per ft.; to Lundgren-Reis Constr. Co., 65 College St., Des Moines, 90 ft. pony truss bridge, $8,626; to F. H. Christianson Constr. Co., Guthrie Center, one 26 ft. I-beam bridge, at $2,026 and one 32 ft. I-beam bridge $2,294; to C. J. Kramme, Ft. Dodge, 32 ft. I-beam bridge $2,430.

Kan., Atchison—Approximately 2,700 sq. yd. concrete surfacing 6th St. from Spring to Garden Sts., to Geiger & Rutherford, Leavenworth, and 12,900 sq.yd. brick on old macadam resurfacing Commercial St. from 9th to 13th Sts., to E. Grundeman, Natawaka.

Missouri—State Hy. Dept., Jefferson City, to A. A. Davis & Co., Gr. Exch., Oklahoma City, Okla., grading 3.205 mi. Jefferson City-Kansas City Rd., Johnson Co. $44,862, grading and 18 ft. concrete surfacing 23.614 mi. Jefferson City-Kansas City Rd., Johnson Co. $371,073; to D. C. Horton, Ft. Smith, Ark., grading and 18 ft. concrete surfacing 22.976 mi. Kansas City-Jefferson City Rd., Johnson Co. $323,751; to C. H. Atkinson Co., Watertown, S. D., grading and 9 ft. concrete paving 9.8 mi. road from Nethany north, Harrison Co. $115,623, grading and 18 ft. concrete surfacing 2.888 mi. St. Joseph-Hannibal Rd. $45,196, 3.134 mi. Monroe City-Hunnewell Rd. $49,932, both Marion Co., 2.615 mi. Lakenan-Hunnewell Rd. $47,545, 4.94 mi. Shelbine-Lakenan Rd. $72,976, 2.98 mi. road from Hunnewell east and west $71,207, all Shelby Co.; to Harrison Eng. & Constr. Corp., Kansas City, 4.685 mi. St. Louis-Springfield Rd. $103,861, 4.965 mi. road from Sullivan north and south, $106,462, both Franklin Co. 3.943 mi. Cuba-Bourbon Rd., $78,370, 4.708 mi. Bourbon-Sullivan Rd. $93,185, both Crawford Co., to Tibbetts & Tibbetts, Olathe, Kan. 4.928 mi. road from Gray Summitt east, Franklin Co. $135,282; to Dexter Constr. Co., Dexter, grading 2.083 mi. Hayti-Kennett Rd., Pemiscot Co. $11,807, 18 ft. gravel surfacing 4.634 mi. Harrisonville-Pleasant Hill Rd., Cass Co. $34,101, 12 ft. gravel surfacing 2.397 mi. road from Wilhelmina east, Dunklin Co. $15,120; to Roy Tanner Paving Co., Tulsa, Okla., grading and 9 ft. concrete paving 4.898 mi. Albany-Stanberry Rd., Gentry Co. $71,388; to Richmond Constr. Co., Advance, 12 ft. gravel surfacing 2.178 mi. road from Malden west, Dunklin Co. $18,886; to Easley Bros., Aurora, 16 ft. gravel surfacing 1.135 mi. Fairplay-Bolivar Rd., Polk Co., $10,201; to Kiefner & Geile, Perryville, 18 ft. gravel surfacing 4.811 mi. road from Gallatin east, Daviess Co. $16,442, to H. A. Worman, Perryville, 3.939 mi. road from Mexico east, Audrain Co. $34,547, to B. D. McCally & Son, Rensslaer, Ind., 4.315 mi. Harrisonville-Pleasant Hill Rd., Cass Co. $35,118; to Lamoreaux Bros., Omaha, Neb., 30 ft., grading 7.56 mi. Grant City-Sheridan Rd., Worth Co. $60,308, to J. K. McClarrin, Alexandria, 3.54 mi. road from Macon east, Macon Co. $9,327, to Land Constr. Co., St. Joseph, 2.765 mi. Hamilton-Polo Rd., Caldwell Co. $26,524, to Vincennes Bridge Co., Vincennes, Ind., 0.35 mi. St. Joseph-Hannibal Rd., Shelby Co. $7,936, to Gray Constr. Co., Mt. Vernon, Ill., 3.934 mi. St. Joseph-Hannibal Rd., Macon Co. $19,719. Noted Mar. 12

Mo., Sedalia—Concrete paving 10,500 sq. yd. 16th St., to Bertman & Menefee, Sedalia, $2.235 per sq.yd.; 14,000 sq. yd. Barrett Ave., to M. O. Thomas, Sedalia, $2.15.

Tex., Commerce—Curbing, guttering and rock asphalt on 5 in. rein.-con. paving, approximately 9,000 yd. various streets, to W. H. Nichols & Co., 403 Mercantile Bank Bldg., Dallas. Engrs. est. $26,000.

Tex., Dallas—H. A. Winston, 1305 M St., concrete paving, curbing, guttering and sidewalks, new 72 acre residential district, to W. E. Childers Co., 115 Field St., approximately $85,000.

Okla., Cordell — Grading and concrete surfacing 10,200 sq.yd. Main St., to R. H. Baldwin, 109 East Grand Ave., Ponca City, $28,816. Engrs. est. $35,207. Noted Mar. 12.

Idaho — State Hy. Engineer, Boise, at Room 202 Pioneer Bldg., Lewiston, constructing 1.17 mi. North and South Highway, Chair Creek Sect., Federal Aid Project 9B, to Campbell Constr. Co., Sunnyside, $24,333.

Washington—State Hy. Comn., Olympia, paving 2 mi. State Rd. 1, Chehalis to Centralia, Lewis Co., to Philbrick & Nicholson, Tacoma, $93,607; grading, etc., 0.9 mi. State Rd. 1, from Everett north, Snohomish Co., to J. Weeks, Kirkland, $35,925. Noted Mar. 12.

Wash., Seattle—Curbing, guttering and paving North and East 40th St., 16,205 sq. yd. 7 in. and 36,895 sq.yd. 6 in. concrete, to Erickson Contg. Co., Henry Bldg., $138,731. Engrs. est. $156,854. Noted Mar. 19.

California—State Hy. Comn., Sacramento, concrete paving and widening with concrete shoulders, etc., 11.6 mi. highway between Stanislaus River and Turner station, San Joaquin Co., to J. F. Knapp, Turlock, $257,443.

California — State Hy. Comn., Sacramento, concrete shouldering 12.79 mi. highway between Woodland and Woodland Wye, Yolo Co., to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $141,232; and concrete paving and widening 6.4 mi. highway between Merced River and Buhac (Atwater P. O.), Merced Co., to H. B. Peterson, Spreckels Bldg., San Diego, $139,367. Noted Mar. 12 and 26.

Calif., Huntington Beach — To G. M. Souter, 419 9th St., improving Palm Ave. between 7th and 17th Sts., 129,500 sq.ft. grade and 1.5 in. Topeka surface and 3.5 in. asphaltic concrete at $0.19 per sq.ft., 2,920 sq.ft. sidewalks $0.20, 1,270 ft. curb $0.70, etc. Noted Feb. 26.

Calif., Los Angeles — Grading 6 blocks Beacon St. between 1st and Santa Cruz Sts., 126,400 cu.yd. excav., to C. R. Butterfield, 410 6th St., San Pedro, $53,000. Engrs. est. $60,340.

Calif., Los Angeles — Grading, concrete and asphaltic concrete paving 3,600 ft. 1st St. between Harbor Blvd. and Pacific Ave., 40 ft., to Channel Constr. Co., Bank of Italy Bldg., $44,203. Engrs. est. $58,850.

Calif., Los Angeles — Grading, curbing, sidewalks, etc., on 97th St. between 5th and 11th Aves., to G. A. Constantine, I. W. Hellman Bldg. $62,920.

Calif., Los Angeles—To R. A. Wattson, 1026 McCadden Pl., improving Baxter St. between Park Dr. and Echo Ave., grading $15,000, 151,924 sq.ft. 5 in. concrete paving at $0.198 per sq.ft., sewers $23,000, etc., total $88,111. Engrs. est. $114,541.

Calif., Los Angeles — Concrete curbing, guttering, sidewalks and asphaltic concrete paving Marine Ave. between Anaheim and A Sts., to G. H. Oswald, 366 East 58th St., $59,560.

Calif., Los Angeles—Improving 3,000 ft. Washington and Evans Sts., to T. W. Oglesby, 423 Edgewood Rd., Santa Ana, $79,106. Engrs. est. $91,855.

Calif., Los Angeles — Bd. Pub. Wks., grading, curbing, concrete paving Victory Blvd., etc., to J. Martin, 789 Lyon St., $102,245. Engrs. est. $115,845.

Calif., Ontario—To Griffith Co., Railway Bldg., improving Sultana Ave. between State and Desseau Sts. and Sultana Ave. between 4th and A Sts., 1,765 ft. concrete and rock curb at $0.45 per ft., 341,841 sq.ft. 4 in. asphaltic concrete paving, etc. $0.144. Noted Dec. 25.

Calif., Pomona — For 6 in. concrete paving, 394,228 sq.ft. 5th Ave. between Garvey Ave. and city limits, to Fleming Constr. Co., 105 North Park Ave., $69,900.

Calif., Pomona—For 6 in. concrete paving Garey Ave., to H. Cornwall, 120 South Glendale Ave., Glendale, $37,500. Noted Mar. 12.

Calif., San Diego—Supervs. San Diego Co., to Pioneer Truck Co., 302 5th St., 2 in. on 3 in. Willite paving 104,728 sq.ft. 32nd and 33rd Sts. $23,982, 1.5 in. sheet asphalt on 4 in. concrete paving 79,920 sq.ft. 42nd St. $15,824; to D. H. Ryan, 1615 Fern St., 1.5 in. sheet asphalt on 4 in. concrete paving 263,547 sq.ft. Hawley Blvd. and Chester Pl. $53,682, 106,981 sq.ft. 36th St. $21,182, 149,960 sq.ft. 38th St. $29,692, and 196,037 sq.ft. 41st and 2nd Sts. $38,815, all foregoing streets in Normal Heights. Noted Mar. 5.

BRIDGE—ROANOKE, VA.

Following are lowest three bids opened by City Manager and City Council, March 11, for Thirteenth Street Bridge over Roanoke River and Norfolk & Western Ry., (A) W. W. Boxley, Roanoke, (awarded contract); (B) Atkisson-Williams, Johnson City, Tenn.; (C) R. C. Churchill, Roanoke. The unit bids are as follows:

	A	B	C
3,800 cu.yd. excavation earth—wet or dry	$2 50	$2 50	$3 00
700 cu.yd. excavation rock—wet or dry	6 00	5 00	10 00
4,500 cu.yd. concrete, 1:2:4	17 50	21 00	20 50
4,500 cu.yd. concrete, 1:3:5	17 50	17 00	16 00
150 cycle concrete balus. and lamp posts, 1:2:4	35 00	30 00	35 00
700,000 lb. reinforcing steel	06	05	06
60,000 sq.ft. carbor. rubbed surface finish	05	05	05
3,000 sq.ft. bush hammered surface finish	15	30	10
10,500 sq.ft. sidewalk and curb finish	09	10	15
30,000 sq.ft. waterproofing	28	17	18
1,300 lb. 16-oz. copper flashing	35	40	1 00
3,210 sq.yd. concrete sub-base—paving, 1:3:5	2 85	3 00	1 75
2,000 lin.ft. 2-in. metal conduit	30	60	50
1,450 lin.ft. 6-way T.C. duct	1 00	80	1 25
10 lin.ft. 6-in. cast iron soil pipe	50	1 00	1 00
200 lin.ft. 6-in. vitrified T. C. sewer pipe	50	1 00	1 00
4 cast iron catch basins	50 00	50 00	50 00
2 cast iron draw boxes	55 00	60 00	60 00
16 bronze lighting fixtures	175 00	200 00	156 25
4 bronze lanterns	545 00	600 00	575 00
2 bronze memorial tablets	825 00	1,600 00	1,000 00
2 bronze name tablets	300 00	600 00	500 00
Maintaining traffic, removal rubbish, etc. (lump sum)	7,500 00	3,000 00	4,000 00
Extended totals	$258,044	$259,590	$262,235

Buildings—Industrial

PROPOSED WORK

Mass., Brighton (Boston P. O.)—Plant—Electric Storage Battery Co., 720 Beacon St., Boston, having plans prepared by Bigelow & Wadsworth, 3 Hamilton Pl., Boston, 1 and 2 story, 135 x 274 ft., brick and stone, plain foundation, Ashford St., here. To exceed $100,000.

Mass., Cambridge (Boston P. O.)—Factory—Cambridge Rubber Co., 748 Main St., having plans prepared 4 story, 80 x 100 ft., rein.-con. and brick, plain foundation, Main and Windsor Sts. To exceed $40,000. J. R. Worcester & Co., 79 Milk St., Boston, consult. engrs.

Mass., Lowell—Plant—G. W. Cady & Sons Co., Western Ave., plans plant, Western Ave.. $49,000 or more. Engineer and architect not selected.

Mass., Wakefield — Plant — Town Bd. Selectmen, plans reconstructing gas plant. $100,000 appropriated. Engineer and architect not selected.

Mass., Worcester—Plant—Commonwealth Ice Co., 278 Harding St., plans reconstructing plant, in Shrewsbury Dist., recently destroyed by fire. $50,000 or more. Engineer and architect not selected.

Pa., Salina — Plant — Kier Fire Brick, Oliver Bldg., Pittsburgh, having plans prepared clay calcimining plant, here. $50,000. Schaffer Eng. Co., 800 House Bldg., Pittsburgh, engrs.

N. C., Andrews — Plant — State Legislature authorized city issue $50,000 bonds complete electric light plant.

O., Cleveland—Sub-Stations, etc.—Cleveland Electric Illuminating Co., Illuminating Bldg., c/o R. Lindsey, mgr., having plans prepared by E. J. Cook, engr. and archt., Illuminating Bldg., two 1 story, approximately 50 x 60 ft., brick, steel annd rein.-con., in Kinsman and Miles Ave. Dists. $50,000 each; also 1 and 2 story, rein.-con., brick and steel sub-station, warehouse and garage, West Park Dist., $150,000.

O., Cleveland—Factory—George L. Williams Co., c/o G. L. Williams, pres., 621 Johnson Ave., had plans prepared by J. W. Lowell, c/o owner, 1 story, 50 x 125 ft., and 2 story, 40 x 70 ft., brick and steel, 5200 Train Ave. $60,000.

O., Lorain—Sub-station—Ohio Pub. Serv. Co., Lorain, plans sub-stations along New York, Chicago and St. Louis R.R. tracks on east side, and along Baltimore and Ohio R.R. tracks at East 21st St. $250,000. A. H. Heitzler, vice-pres. and div. mgr.

Mich., Detroit — Bakery and Warehouse—Kroger Grocery & Baking Co., 4760 Merritt Ave., having plans prepared by J. G. Rastler & Co., 523 Detroit Savings Bank Bldg., 2 story, 235 x 355 ft., brick and steel addition, plain foundation, Merritt Ave.

Ill., Peru — Plant — City voted $90,000 bonds, rebuilding power plant.

Kan., Ft. Scott — Plant — Ft. Scott Tribune-Monitor having plans prepared by E. O. Brostrom, 623 Reliance Bldg., Kansas City, Mo., 2 story and part basement, 70 x 120 ft., rein.-con., brick and terra cotta. $50,000.

N. D., Dickinson—Plant—See "Unclassified under North Dakota."

Tex., Mirando City — Plant — Mirando City Oil Co. having plans prepared brick and steel refinery plant. $250,000. Private plans.

Tex., Victoria — Electric Light Plant — Election May 12, $65,000 bonds municipal electric light plant. J. L. Du Pree, city atty. Engineer and architect not selected.

Calif., Merced — Plant — Amer. Canned Products Co., A. Moore, pres., 756 South Bway., Los Angeles, plans probably concrete canning plant. $100,000 incl. equipment.

Calif., Oakland — Factory — Standard Biscuit Co., 429 Clay St., having plans prepared by W. E. Schirmer, Thayer Bldg., 2 story, 75 x 100 ft., brick, 5th St. near Webster St. $40,000.

Calif., San Bernardino—Shop—Atchison, Topeka & Santa Fe Ry. Co., Kerckhoff Bldg., Los Angeles, soon takes bids 50 x 275 ft., rein.-concrete shops, San Bernardino St., here. $165,000. R. B. Baep, Kerckhoff Bldg., Los Angeles, ch. engr. coast line.

Que., Chicoutimi—Power Plant—Chicoutimi Electric Co., having plans prepared hydro-electric power plant, and concrete dam, etc. $500,000. H. Cimon, 144 Grand Allee, Quebec, engr.

Que., Grand Mere — Plant — Dominion Electric Heating Co., 140 Amherst St., Montreal, plans 2 story, 100 x 100 ft. plant, here. $75,000.

Que., Grand Mere — Plant — Fairchild Aerial Surveys of Canada, Ltd., Grand Mere, plans plant. $150,000.

Que., St. Anne de Beaupre—Power Plant—Energie Electric de Riviere des Chiens, plans power plant. $50,000.

Ont., Coniston—Plant—Mond Nickel Co. plans sulphuric acid plant. Private plans.

Ont., Otterville — Factory — Hyslop & Sons, Burlington, plan new factory. $40,000.

BIDS DESIRED

Mass., Boston — Sub-station — Edison Electric Illuminating Co., 39 Boylston St., taking bids 5 story, 30 x 90 ft., rein.-con. and brick, plain foundation, Canton St. $100,000. Bigelow & Wadsworth, 3 Hamilton Pl., archts.

Mass., Chelsea—Factory—Panco Rubber Co., Highland St., taking bids 1 story, 50x60 ft., brick and steel addition, Highland St. Schein & Levine, 508 Pemberton Bldg., Boston, archt. Noted Feb. 19.

Mass., Danvers—Fire Station, etc.—Fire Dept., taking bids 2½ story and basement, 35 x 45 ft., and 14 x 15 ft. rein.-con. and brick fire station and machine repair shop, Florence and High Sts. Stebbins & Watkins, 164 Federal St., Boston, archts.

Mass., Newtonville (br. of Boston)—Repair and Service Garage—Newton Motor Sales Co., West Newton Sq., Newton, taking bids 1 and 2 story, 30 x 70 ft., and 60 x 105 ft., rein.-con. and steel, plain foundation, Washington St., here. $50,000. D. J. McDonald, 77 Summer St., Boston, engr. and archt. Noted Mar. 12.

Conn., New Haven—Dairy—Kipp Dairy Co., 195 Chatham St., taking bids 2 story, 50x100 ft., concrete, brick and stone, plain foundation, Chatham St. $40,000. R. W. Fabian, 147 Bradley St., archt.

N. Y., Long Island City—Housing Station—Apr. 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., housing station, 62nd Rd. and 94th St.

Pa., Brackenridge—Foundry—Allegheny Steel Co. will build 1 story, 76 x 96 ft., steel and brick foundry. Work will be done by separate contracts. $40,000. Private plans.

Pa., Chambersburg—Plant—H. J. Heinz Co., 1026 Progress St., Pittsburgh, will build 1 and 2 story, brick and steel plant, here. Work will be done by separate contracts. $400,000. Private plans.

Pa., Chester — Dye House — Aberfoyle Mfg. Co., c/o W. T. Galey, vice pres., 4th and Morton Sts., will build 3 story and basement, 140 x 340 ft. dye house brick and steel, plain foundation. Work will be done by separate contracts. E. Perot, 1211 Arch St., Phila., archt.

Pa., McDonald—Factory—Apr. 13, by Pittsburgh File & Steel Co., 1 story, 45 x 360 ft., brick on tile and steel factory. $100,000. F. McCrooks, 541 3rd Ave., Pittsburgh, archt. Noted Feb. 19.

Pa., Phila.—Plant—Apr. 7, by Ballinger Co., archts., 12th and Chestnut Sts., 1 story, 209 x 491 ft., brick and steel, plain foundation, Tioga and Richmond Sts., for D. Weber & Co., 5th and Locust Sts.

Pa., Phila. — Service Station — A. E. Jawer, 4853 Parkside St., will build 2 story and basement, 120 x 97 ft., rein.-con. and brick, plain foundation, Ludlow St. west of 60th Sts. $50,000. Work will be done by separate contracts. J. F. Clark, 23 South 16th St., archt.

Pa., Phila.—Factory—J. F. Clark, archt., 23 South 16th St., taking sub bids 1 story, 24 x 60 ft. and 2nd story 69 x 97 ft. additions, brick, plain foundation, for Columbia Steel Equipment Co., 3rd and Annsbury Sts.

Mich., River Rouge—Plant—Ford Motor Co., Highland Park (Detroit P. O.), taking bids and opens same about Apr. 10, 1 story, 160 x 240 ft., 85 ft. high, concrete, brick and steel open hearth building, plain foundation, here. A. Kahn, 1000 Marquette Bldg., Detroit, archt. Noted Mar. 8.

Ill., Chicago—Factory and Sales—April 1, by Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., 14 story and basement, 172 x 420 ft., rein.-con. and brick, caisson foundation, North Water St., for Hibbard, Spencer, Bartlett Co., 302 North State St. $4,000,000.

Tex., Dawson—Seed House—Dawson Oil Mills taking bids seed house and addition to plant. $45,000. Engineer and architect not announced.

CONTRACTS AWARDED

Mass., Athol—Factory—Wilcox Novelty Co., 256 Main St., 3 story, 40 x 200 ft., brick and steel, plain foundation, Main St., to Taylor-Wheeler Corp., Starrett Bldg. Archts. est. $125,000. Noted Mar. 19.

Mass., Boston — Repair and Service Garage—A. B. Wells, c/o D. Somes, archt., 240 Boylston St., 2 story and basement, 94 West Cedar St., to Somers & Drisko, 168 Dartmouth St. Archts. est. $60,000.

Conn., Hamden—Factory—United Smelting & Aluminum Co., Edmond St., 1 story, 110x140 ft., brick, plain foundation, Edmond St., to L. Edgar, 17 White St. Archts. est. $40,000.

Pa., Phila.—Manufacturing—A. Taylor Co., 410 Commerce St., 2 story and basement, 100 x 100 ft., rein.-con., plain foundation, D and Pike Sts., to Wark Co., 1600 Walnut St. Archts. est. $60,000.

Md., Baltimore — Shop — Bd. Awards, 1 story, brick repair shop, Key Highway and Webster St., to DeCou & Davis, 8 East Mulberry St., $85,989. Noted Mar. 26.

La., Shreveport—Plant—Independent Ice Co., Shreveport, plans general contract rein.-con. and brick addition to ice plant, to Hansen-Worden Co., Shreveport, approximately $40,000.

O., Cleveland — Laundry — West End Wash Laundry Co., c/o A. L. Salzer, 3305 West 98th St., 1 and 2 story, 83 x 100 ft., brick and steel, 10,610 Madison Ave., to Mitzel-Shields Co., Rose Bldg. Archts. est. $40,000.

O., Cleveland — Factory — Cleveland Piston & Mfg. Co., 2301 Scranton Rd., 1 story, 60 x 84 ft., brick and timber addition, to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave., N. W. Archts. est. $40,000.

O., Cleveland — Sub-Station — Cleveland Electric Illuminating Co., J. Wolf, Illuminating Bldg., 2 story, 46 x 54 ft., brick, steel and concrete, 1953 East 105th St., to Natl. Concrete Fireproofing Co., Union Mortgage Bldg. Archts. est. $60,000. Noted Mar. 26.

Okla., Oklahoma City—Plant—New State Ice Co., 2 West 3rd St., general contract 1 story, 130x140 ft., rein.-con. and brick, plain foundation, to Campbell & Price, 605½ West Main St. Archts. est. $100,000. Noted Jan. 15.

Okla., Oklahoma City — Plant — New State Ice Co., 2 West 3rd St., one story, 130 x 1,240 ft., rein.-con. and brick, Poplar St., to Campbell & Price, 605½ West Main St. Archts. est. $100,000.

Calif., Holtville—Plant—Imperial Ice & Delivery Co., 1 story, 60 x 90 ft. ice manufacturing plant, 5th and Walnut Sts., to Gay Eng. Corp., 2650 Santa Fe Ave., Los Angeles, $50,000. Noted Jan. 15.

Calif., Los Angeles—Factory—Albertson Motor Car Co., 1540 South Figueroa St., 2 story, 101 x 300 ft. factory, and 17 x 300 ft. loading dock, both rein.-con., 50th St. and Long Beach Ave., to C. T. McGrew & Son, 134 Ocean Ave., Long Beach, $200,000. Noted Mar. 19.

Calif., Oakland—Factory—McKee Greenwood Sales Book Co., Spokane, Wash., 1 story, brick, Livingston St. near King St., to Austin Co. of California, 214 Kearny St., San Francisco, approximately $40,000.

Man., Winnipeg—Plant—Harris Abbatoir Co. Ltd., Union Stock Yards, Toronto, Ont., general contract concrete, brick and steel packing plant, to J. McDiarmid Co. Ltd., Myrtle and Winnipeg Aves., structural steel, to Vulcan Iron Wks., Point Douglas. Total est. $400,000.

Buildings—Commercial

PROPOSED WORK

Mass., Allston (Boston P. O.)—Store and Office—D. Rubin, 333 Washington St., Boston, plans store and office building, 1243 Commonwealth Ave., here. To exceed $150,000. Engineer and architect not selected.

Mass., Arlington (Boston P. O.)—Store and Office—W. J. Conway, c/o Muller & Co., 55 Kilby St., Boston, plans stoer and office building, about 12,000 ft. floor space, Massachusetts and Lockland Aves. $160,000. Engineer and architect not selected.

Mass., Boston—Apartment—Ninety Commonwealth Ave., Inc., c/o G. N. Jacobs, archt., 4 Park St., having preliminary plans prepared 8 story and basement, 60x100 ft., brick and stone, plain foundation, 90 Commonwealth Ave. $300,000.

Mass., Gloucester — Store and Office — Shikes & Long, 103 Hemenway St., Boston, plans 2 story and basement, store and office building, Main St. $150,000. Engineer and architect not selected.

Mass., Jamaica Plain (Boston P. O.) — Nurses' Home—Faulkner Hospital, C. J. Nichols, pres., having preliminary plans prepared by O. A. Thayer, 89 Franklin St., Boston, 4 story and basement, 40 x 130 ft., brick and stone, plain foundation. $160,000.

Mass., Malden — Theatre — Ramsdell Bros., H. Ellenberg, & F. Green, Orpheum Theatre, plans theatre, Dartmouth St. $400,000. Private plans.

Mass., Needham — Theatre and Store — Murdock & Simon, Chestnut St., having plans prepared by J. Kelly, 20 Beacon St., Boston, 1 and 2 story and basement, brick and stone, Great Plain Ave. $150,000.

Mass., Quincy (Boston P. O.)—Hospital—Pub. Dept. plans addition to city hospital. $150,000. Engineer and architect not selected.

Buildings—Commercial (Continued)

R. I., Providence—Armory—State Special Com., State House, plans armory, north Main St. $150,000 or more. W. G. Richards, Exchange St., archt.

Conn., Meriden—Lodge—Meriden Lodge of Elks, D. J. Donovan, chn., 120 East Main St., raising funds for club, with swimming pool, etc. Engineer and architect not selected.

Conn., Stamford — Warehouse — W. Schaefer & Son, 30 Worth St., having plans prepared by Moores & Dunford, 110 East 42nd St., New York City, 4 story and basement, 50 x 100 ft., brick and steel, plain foundation, Worth St. $150,000.

N. Y., Brooklyn—Clubhouse—B. P. O. E. 22, Brooklyn Lodge, 150 South Oxford St., A. C. Brophy, chn. building com., takes bids about May 1, 12 story, 158 x 162 x 186 ft., brick, steel and stone, plain foundation, Boerum Pl., Schermerhorn and Livingston Sts. $4,500,000. McKim, Mead & White, 101 Park Ave., New York City, archts. Noted Mar. 12.

N. Y., Brooklyn — Hotel — B. Sackheim, 166 Montague St., archt. and engr., preparing plans brick, steel and stone, plain foundation, Clinton St. $1,000,000. Owner's name withheld.

N. Y., Brooklyn—Nurses Training School—Brownsville and East New York Hospital, 11 Hegeman Ave., soon takes bids 4 story, brick, steel and stone, plain foundation, Albemarle Rd. $200,000. Cohn Bros., 361 Stone Ave., archts. and engrs.

N. Y., Buffalo — Warehouse — Buffalo Wholesale Hardware Co., 317 Washington St., plans 185 x 227 ft., Perry St. $200,000.

N. Y., Coney Island (Brooklyn P. O.)—Hotel—Amer. Hotel Co., 25 West 45th St., New York City, having plans prepared by G. B. Post & Sons, 101 Park Ave., New York City, 17 story, brick, steel and stone, plain foundation, Boardwalk and 29th St., here.

N. Y., New York — Apartment — S. F. Oppenheim, archt. and engr., 110 East 31st St., preparing plans 5 story, brick, steel and stone, plain foundation, University Ave. $225,000. Owners name withheld.

N. Y., New York—Apartment—Washington Sq. Holding Co., c/o Deutsch & Schneider, archts., 35 Maiden Lane, having plans prepared 15 story, 50 x 100 ft., brick, steel and stone, plain foundation, 32 Washington Sq. W. $850,000.

N. Y., New York—Hospital—Cranleigh, Inc., c/o Warren & Wetmore, archts., 16 East 47th St., having plans prepared 9 story, 85 x 155 ft., brick, steel and stone, plain foundation, 159 East 90th St. $400,000.

N. Y., New York—Loft—M. Stein, c/o J. M. Felson, archt. and engr., Fisk Bldg., Bway. and 57th Sts., having preliminary plans prepared brick, steel and stone, plain foundation, 330 West 37th St. $750,000.

N. Y., New York—Office—Lerner Blouse Corporation, c/o C. N. Whinston & Bro., archts. and engrs., 2 Columbus Circle, having plans prepared 18 story, 50 x 100 ft., brick, steel and stone, plain foundation, Trinity Pl.

N. Y., New York — Office — W. F. Rudolphy, c/o Block & Hess, archts. and engrs., 18 East 41st St., soon takes bids brick, steel and stone, plain foundation, Lexington Ave. $200,000.

N. J., New Brunswick—Office—Harrison Impvt. Co., 2108 Harrison Ave., New York City, plans 4 story office building, George and Albany Sts. $350,000. Engineer and architect not selected.

N. J., Trenton — Hospital — St. Francis Hospital, Chambers St., plans addition. $500,000. H. B. Costill, 371 Hamilton Ave.; chn. building com. Engineer and architect not selected.

Pa., Phila. — Apartment — E. McShane, c/o Merrill Co., 312 South Broad St., having plans prepared by E. L. Rothschild, Bankers Trust Bldg., 13 story and basement, 36 x 100 ft., brick and steel, plain foundation, 37th and Chestnut Sts.

Pa., Phila.—Hotel—B. Shulman, archt., 1722 Arch St., preparing preliminary plans 8 story and basement, approximately 900 to 1,000 room hotel. Owner's name withheld.

Pa., Phila.—Office—Mutual Trust Co., 4th and Chestnut Sts., having preliminary plans prepared by Heacock & Hokenson, 1211 Chestnut St., and Ballinger Co., 12th and Chestnut Sts., 18 story and basement, brick and steel, plain foundation, Sydenham and Walnut Sts.

Pa., Pittsburgh—Mercantile—Associated Furniture Store, 318 Oliver Ave., having plans prepared by W. E. Snaman, 1116 Empire Bldg., 5 story and basement, 30 x 241 ft., brick, steel and terra cotta, 321-23 5th Ave. $300,000.

Pa., Pottsville—Masonic Temple—Pulaski Realty Co. having plans prepared by Muhlenberg Bros., 511 Penn St., Reading, 5 story and basement, 50 x 103 ft., brick, stone and steel, plain foundation. $175,000.

Va., Richmond—Theatre—Lowes, Inc., State Theatre Bldg., 45th St. and Bway., New York City, having plans prepared by T. W. Lamb, archt. and engr., 644 8th Ave., New York City, theatre, here. $750,000.

N. C., Albermarle—Court House and Jail—State Legislature authorized Stanley Co. to issue $250,000 bonds for court house and jail. R. N. Fwir, Albermarle, chn. Bd. Comrs. Stanley Co.

N. C., Asheville—Flatiron—L. B. Jackson and C. N. Malone plan 8 story and basement, 100 room flatiron building, Battery Park. $300,000.

N. C., Asheville—Hotel—La Fayette Development Co. plans hotel known as Chateau La Fayette, on Stradley Mountain. $1,000,000. Wiggins Hotel Co., lessee.

N. C., Greensboro—Hotel—Greensboro Bank & Trust Co. plans 14 story and basement, 72 x 150 ft. hotel. $900,000.

N. C., Hendersonville — Bank and Office—C. F. Toms, Jr., soon takes bids bank and office building. $150,000. E. Stillwater, Hendersonville, archt.

Fla., Sarasota—Theatre—A. B. Edwards, plans theatre, 7th and Pineapple Sts. $160,000. Universal Film Exch. of New York, 1600 Bway., New York City, lessee.

La., New Orleans—Hospital—Bd. Administrators Charity Hospital, Tulane and Villere Sts., having plans prepared by Favrot & Livaudais, Hibernia Bank Bldg., addition to hospital, incl. nurses home, quarters for internes, etc. $150,000 or more.

La., New Orleans—Hotel and Garage—Guaranty Realty Co., 910 Gravier St., having plans prepared by J. Scott Joy, 2001 West Pershing Rd., Chicago, Ill., 10 story hotel, and 5 story garage, University Pl. and South Rampart St. $1,000,000.

La., New Orleans—Office—Syndicate composed of E. M. Loeb, 618 Magazine St., W. B. Spencer, 321 St. Charles St., A. F. Commagere, New Orleans, and J. Scott Joy, 2001 West Pershing Rd., Chicago, Ill., had plans prepared by J. Scott Joy, 2001 West Pershing Rd., Chicago, Ill., 16 story, office building, Baronne and Common Sts. $1,250,000.

Tenn., Nashville—Lodge and Office—Independent Order of Odd Fellows soon takes bids 12 story and basement, lodge and office building, 119 7th Ave. N. $1,000,000. W. M. Hannah, Memphis, secy. Noted Jan. 8.

O., Cleveland Heights (Warrensville P. O.)—Commercial and Theatre—Cedar Lee Realty Co., C. D. Simmons, pres., Fidelity Mortgage Bldg., Cleveland, had plans prepared by E. P. Bock, 9501 Wade Park Ave., Cleveland, 2 story and basement, 120 x 120 ft., brick, steel and concrete, Lee and Cedar Rds., here. $175,000.

O., Dayton — Apartment Hotel — J. E. Lowes, West 1st St., plans 10 story, 120 x 140 ft., rein.-con. and brick, 1st St. $300,000. Private plans.

O., East Liverpool — Mercantile — T. V. Milligan, plans 3 story and basement, 46 x 130 ft. mercantile building, and 2 story, 22½ x 48 ft., brick and concrete warehouse, East 5th St. $150,000-$175,000.

Mich., Detroit—Garage—Postal Station Building Co., 341 Postal Sta. Bldg., having preliminary plans prepared by Bass-Knowlton & Co., 801 Hume-Mansur Bldg., Indianapolis, Ind., 2 story and basement, rein.-con. garage. $200,000.

Mich., Detroit—Hotel and Recreation—C. A. Gable and associates, Detroit Hockey Club, c/o G. E. Graves, archt., 233 John R St., having plans prepared 2 and 4 story, irregular section 80 x 120 ft. to contain natatorium, rein.-con., brick and steel, plain foundation, incl. hotel and recreation center, convention hall, hockey rink and swimming pool, Woodward Ave. $2,000,000.

Mich., Detroit—Office—C. H. Harrison, 22822 Woodward Ave., making plans 8 story and basement, 80 x 100 ft., rein.-con., brick and steel, plain foundation, Woodward Ave. Engineer and architect's names withheld.

Mich., Detroit—Office and Theatre—Detroit Metropolitan Corp., Union Trust Bldg., having plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., 12 story (ultimately 17 story) and basement, 150 x 220 ft., rein.-con., brick and steel, Bagley Ave. $4,000,000.

Mich., Detroit—Theatre—D. T. Nederlander, 11 Campus Martius, having plans prepared by Crane & Kiehler, 542 Griswold St., 1 and 2 story and part basement, 240 x 270 ft., brick and steel, plain foundation, Woodward Ave. $250,000. Noted Feb. 26.

Mich., Mt. Clemens—Sales and Service—H. T. Millar, archt., 321 Lightner Bldg., Detroit, prepared plans 1 and 2 story, 110 x 250 ft., rein.-con. and brick, plain foundation. $150,000. Owners name withheld.

Mich., Negaunee—Community—Election Apr. 6, $150,000 bonds remodeling present building or constructing new community house. Engineer and architect not selected.

Ill., Chicago—Apartment Hotel—C. H. Bramwell, Hotel Drake, purchased site and plans 20 story and basement, 70 x 160 ft. apartment hotel, Lake Shore Dr. $1,500,000. Engineer and architect not selected.

Ill., Chicago—Club—Midland Club, 25 North Dearborn St., had sketches made by P. Gerhardt, 64 West Randolph St., 25 story, basement and sub-basement, 90 x 190 ft., rein.-con., brick, steel and stone, caisson foundatino, 168 West Adams St. $4,000,000.

Ill., Chicago—Hospital—Schmidt, Garden & Martin, engrs. and archts., 104 South Michigan Ave., soon takes bids 4 story and basement, 100 x 218 ft., rein.-con., brick and stone, plain foundation, for Swedish Convent Hospital, 2749 Foster Ave. $250,000.

Ill., Peoria—Court House—Peoria Co. election Apr. 21, $1,250,000 bonds for court house.

Ill., Peoria—Market—Election Apr. 21, $150,000 bonds for 1 story and basement, rein.-con. market building. Engineer and architect not selected.

Wis., Beaver Dam — Hotel — Wisconsin Hotel Co., D. C. Sargent, pres., 196 3rd St., Fond du Lac, having plans prepared by E. A. Stubenrauch, 629 North 8th St., Sheboygan, 5 story and basement, 56 x 140 ft., brick, tile and concrete, plain foundation. $150,000.

Wis., Kenosha—Store and Office—J. M. Pitts, 252 Park St., plans 2 story and basement, 102 x 125 ft., brick and concrete, plain foundation, Howland Ave. $150,000. Engineer and architect not selected.

Wis., Madison—Garage—A. L. Seidenschwartz, archt., 290 3rd St., Milwaukee, soon takes bids 2 story and part basement, 122 x 134 ft., brick and concrete, plain foundation, West Johnson St., here, for Fox Motor Sales Co., 105 East Doty St. $150,000.

Wis., Milwaukee—Business and Apartment — A. Kahn, 2707 Wells St., having plans prepared by M. F. Pfaller, 712 28th St., 3 story and basement, 120 x 132 ft., brick and tile, plain foundation, Wells St. $200,000.

Wis., Milwaukee—Business—A. Fox & Co., 511 Chestnut St., plans 3 story and basement, brick and tile, plain foundation, State St. $200,000. Engineer and architect not selected.

Wis., Milwaukee—Clubhouse—Milwaukee Eagles Aerie 137, T. Manning, 82 Wisconsin St., chn. building com., having plans prepared by R. R. Williamson, 405 Hway., 3 story and basement, 104 x 212 ft., brick and concrete, plain foundation, Grand Ave. $500,000.

Wis., Milwaukee—Hospital—Milwaukee Co., H. Franke, 4419 North Ave., chn. building com., plans Emergency Hospital and Dispensary, rein.-con. and stone, plain foundation, Grand Ave. $300,000. Engineer and architect not selected.

Wis., Milwaukee—Hospital—Milwaukee Hospital, 22nd and Cedar Sts., having plans prepared by Clas, Shepherd & Clas, 445 Milwaukee St., 5 story and basement, 46 x 150 ft., brick and concrete addition, plain foundation, Cedar St. $200,000.

Wis., Milwaukee—Hotel—M. Tullgren & Sons, archts., 425 East Water St., soon take bids 8 story and basement, 120 x 122 ft., rein.-con. and brick addition, plain foundation, Juneau Ave., for Hotel Astor Co., Juneau Ave. and Marshall St.; excavation awarded to H. Wussow, 183 Concordia Ave. Total $750,000. Noted Feb. 12.

Wis., Milwaukee — Office — Milwaukee Electric Railway & Light Co., 2nd and Sycamore Sts., having plans prepared by Judell & Bogner, 445 Milwaukee St., altering office building, Sycamore St. $150,000.

Wis., Milwaukee—Temple—Tripoli Temple, Nobles of Mystic Shrine, c/o L. Schneller, 399 4th St., chn. building comn., having sketches made 3 story and basement, 100 x 122 ft., brick, stone and concrete temple. $500,000. Engineer and architect not selected.

Kan., Lansing—Jail—State Bd. Administration, Capitol Bldg., Topeka, having preliminary plans prepared by C. M. Routledge, Capitol Bldg., Topeka, 3 story and basement, 66 x 232 ft., rein.-con., brick and stone cell house on prison grounds, here. $150,000.

Kan., Lawrence—Memorial—City Clerk takes bids in May, 3 story and basement, brick memorial building. $250,000. Pond & Pond, 6 North Michigan Ave., Chicago, archts. Noted Feb. 26.

S. D., Watertown—Office—Dakota Life Insurance Co., E. L. Bramble, secy., having plans prepared by U. L. Freed, Watertown, 5 story and basement, 85 x 200 ft., rein.-con., brick and stone addition. $150,000.

Mo., Clayton — Courthouse, etc. — St. Louis Co., c/o County Court, election Apr. 28, $750,000 bonds, 2 story and basement, rein.-con., brick and stone, court house and jail. Klipstein & Rathman, Chemical Bldg., St. Louis, archts. Noted Mar. 19.

Mo., Kansas City—Business and Office—J. C. Wirthman, 3100 Troost Ave., Kansas

Buildings—Commercial (Continued)

City, having sketches made by C. A. Smith, 800 Finance Bldg., 5 story, rein.-con. and brick addition. $150,000.

Mo., Kansas City — Dance Hall — E. Kuhn, 12 Gayety Bldg., having plans prepared by McKecknie & Trask, 224 Bd. Trade Bldg., 1 story, basement and mezzanine, 115 x 196 ft., brick, steel and terra cotta dance hall. $250,000.

Mo., Kansas City — Office and Club — Ararat Temple Building Assn. plans 4 story and basement, office and club, 11th and Central Sts. $750,000. Engineer and architect selected soon.

Tex., Brownsville—Hotel—J. Dickinson Farm Mortgage Co., plans 7 (or more) story and basement, 150 room, rein.-con., brick and stone, plain foundation. Engineer and architect not selected. $365,000 bonus raised by citizens of Brownsville and donated to above owner for same.

Tex., Brownsville — Hotel — R. E. Lee Hotel, San Antonio, plans tourist hotel, here. $175,000. Engineer and architect not announced.

Tex., Brownsville—Hotel—L. James, et al having plans prepared by Kelwood Co., archts. and engrs., Travis Bldg., San Antonio, 7 or more story and basement, rein.-con., brick and stone, plain foundation. $400,000.

Tex., Dallas—Apartment—H. T. McQueen, Merchants Bank Bldg., having plans prepared by J. A. Boyle, Melba Theatre Bldg., 3 story and basement, 60 room, brick and tile, Oak Lawn and Ralwin Sts. $250,000.

Tex., Dallas—Business and Warehouse—Texas Drug Co., T. Coulson, pres., 900 Commerce St., had plans prepared by Whitson & Dale, 1009 Southwestern Life Bldg., and soon takes bids 3 story and basement, 104 x 150 ft., brick and rein.-con., Marilla and Browder Sts. $200,000.

Tex., Denton—Hotel—R. B. Pender, plans 5 story and basement, 80 room, rein.-con., brick, stone and steel hotel. $175,000. Engineer and architect not announced.

Tex., Ft. Worth — Hotel — Union Gospel Mission, 15th and Houston St., having plans prepared by O. H. Atkinson, W. T. Waggoner Bldg., 6 story and basement, brick, and stone. $150,000.

Tex., Ft. Worth — Warehouse — Monnig Dry Goods Co., 1302 Main St., and Sanguinet, Staats & Hedrick, archts., 1st Natl. Bldg., soon take bids 6 story and basement, 72 x 200 ft., rein.-con. and brick, plain foundation, 15th and Main Sts. $250,000.

Tex., Kerrville — Hospital — Negro Churches raising $350,000 funds 4 or more story and basement, brick, plain foundation. Private plans under way. J. A. Tyler, Kerrville, pastor.

Tex., Taft — Warehouse, etc. — Pierce Petroleum Corp., 305 South Medina St., San Antonio, making plans concrete and brick warehouse, also number steel oil tanks, White Point Blvd., here. $150,000 or more. Private plans.

Tex., San Marcos—Administration—San Marcos Baptist Academy, c/o M. L. Kokernut, San Antonio, plans administration building. $150,000. Engineer and architect not announced.

Okla., Ardmore—City Hall—City making preliminary plans 4 story and basement, 100 x 140 ft., rein.-con. and brick city hall and police station, plain foundation, Carter St. $250,000. Noted Mar. 6. S. Mathews, Ardmore, engr. Architect not selected. Noted Mar. 6.

Okla., Oklahoma City—Club—Oklahoma City Athletic Club, J. A. Werme, pres., c/o Midwest Steel Co., 1st Natl. Bank Bldg., making preliminary plans 8 story and basement, 50 x 140 ft., rein.-con., plain foundation, 3rd St. $350,000. Engineer and architect not selected.

Okla., Ponca City—Hospital—Committee of Citizens, J. S. Alcorn, chn., c/o Marland Oil Co., having preliminary plans prepared 100 room, rein.-con., brick and stone hospital. $250,000.

Nev., Reno—Store and Hotel—G. Wingfied, 2324 Pacific Ave., San Francisco, Calif., plans 2 or 3 story (ultimately 5 story), fireproof, Virginia St. and Island Ave., here. $300,000.

Wash., Aberdeen — Lodge — C. Haynes, archt., Aberdeen and A. H. Albertson, archt., Henry Bldg., Seattle, take bids on about Apr. 27, 3 story 130 x 150 ft., concrete, Bway. and Wishkah Sts., for Aberdeen Order of Elks. $200,000.

Wash., Seattle—Apartment—Vance Lumber Co., Stewart Bldg., had plans prepared by C. W. Voorhees, Eitel Bldg., remodeling present 3 story and basement, 120 x 246 ft. building into apartment, concrete, steel and terra cotta, concrete pile foundation, Queen Anne Ave. and Mercer St. $250,000.

Wash., Seattle — Hotel — Interstate Investment Co., Billings, Mont., represented here by J. Davis Co., 807 2nd St., having plans prepared by Stuart & Wheatley, Walker Bldg., 6 story and basement, rein.-con., 8th and University Sts. $300,000.

Wash., Seattle—Store—Bon Marche, 2nd and Pike Sts., having plans prepared by J. Graham, Dexter Horton Bldg., 6 story, basement and sub-basement, block square, rein.-con., 3rd and Pine Sts. $2,000,000.

Wash., Tacoma — Apartment — F. F. Travis, 512 North 2nd St., making plans and takes bids about Apr. 8, 6 story and basement, 100 x 130 ft., brick, North 2nd and Tacoma Sts. $200,000.

Wash., Tacoma—Apartment—G. W. and A. S. Johnson, having plans prepared 4 story and basement, 75 x 130 ft. rein.-con., 6th and Fawcett Sts. $250,000.

Calif., Burlingame — Lodge — Masonic Lodge of Burlingame plans 3 story and basement, fireproof, probably rein.-con., Primrose Rd. $200,000. Engineer and architect not selected.

Calif., Hanford—Bank and Office—Bank of Italy, Powell and Eddy Sts., San Francisco, having plans prepared by H. A. Minton, Bank of Italy Bldg., San Francisco, 75 x 135 ft., rein.-con., Irwin and 7th Sts.

Calif., Hermosa Beach — Hotel — Apartment—J. F. Guyton, Bradbury Bldg., Los Angeles, plans 3 story, 50 x 100 ft., hotel apartment, Pier Ave. and The Strand.

Calif., Los Angeles—Garage and Office—Pacific Mutual Bldg. Co., 523 West 6th St., having plans prepared by Schultze & Walker, Pacific Mutual Bldg., 3 story, 70 x 338 ft., steel and concrete addition, West 6th St. $500,000 or more.

Calif., Los Angeles — Hospital — Frank Wiggins Memorial Hospital Assn., c/o Walker & Eisen, archts., Great Republic Life Bldg., having plans prepared rein.-con. hospital, 1,000 bed capacity, 1st and Alvarado Sts.

Calif., Los Angeles—Hotel—H. G. Corwin, archt., 129 West Washington St., preparing preliminary plans 5 story and basement, 95 x 170 ft., brick hotel. $275,000. Owner's name withheld.

Calif., Los Angeles—Hotel and Store—Business Dist. Development Co., Merchants Natl. Bank Bldg., having plans prepared by F. Whittlesey, 6533 Hollywood Blvd., 6 story and basement, 325 room, rein.-con., 7th St. and Gladys Ave. $325,000.

Calif., Los Angeles — Store and Loft — Army and Navy Store, c/o Curlett & Beelman, archts., Union Bank Bldg., having plans prepared 6 story and basement, 85 x 130 ft., rein.-con., Los Angeles St. near 6th St. $175,000.

Calif., Oakland—Office—Franklin Land Co., c/o H. S. Robinson, Oakland Bank Bldg., plans fireproof, on 100 x 100 ft. site, 14th and Franklin Sts. To exceed $150,000. Engineer and architect not selected.

Calif., Sacramento—Depot—Southern Pacific R.R. Co., 65 Market St., San Francisco, having revised plans prepared by Bliss & Fayville, Balboa Bldg., 3 story, brick and rein.-con., North I St. Former bids rejected. Noted Mar. 26.

Calif., Sacramento — Theatre, etc. — Mooser & Borles, c/o W. Mooser, archt., Nevada Bank Bldg., San Francisco, having plans prepared reconstructing department store into theatre, 1,100 to 1,800 seating capacity, studio rooms, hotel, etc., 4th and K Sts. $250,000.

Calif., San Bernardino—Court House—San Bernardino Co. election May 14, $475,000 bonds, 2 story and basement, approximately 90 x 300 ft., rein.-con. court house addition. Noted Oct. 9.

Calif., San Francisco—Garage—Powers & Ahnden, archts., 460 Montgomery St., preparing plans 6 story, rein.-con., Bush St. near Kearny St. $150,000. Owners name withheld.

Calif., San Francisco—Hotel—Ambassador Hotel, Eddy and Mason Sts., plans 5 story and basement, rein.-con. and brick annex, Eddy and Mason Sts. $250,000.

Calif., San Francisco — Hotel — T. W. Butcher, 3650 Fulton St., plans 60 x 200 ft., Class "A" hotel, Jones St. near Geary St. $350,000. Engineer and architect not selected.

Calif., San Francisco—Theatre—Warner Bros. Studio, Hollywood, plans fireproof theatre, 4,000 seating capacity. To exceed $150,000.

Calif., San Jose — Club — Y. W. C. A. plans 4 story, fireproof club house annex. $150,000 or more.

Calif., San Jose—Hotel—Saint Claire Realty Co., having plans prepared by Weeks & Day, 315 Montgomery St. San Francisco, 6 story and basement, fireproof, Market and San Carlos Sts. To exceed $150,000.

Calif., Santa Barbara — Hotel — C. B. Harvey, c/o Hotel Green, Pasadena, plans about 4 story, rein.-con. hotel, Channel Dr., here. To exceed $150,000.

Calif., Santa Rosa—Hospital—Supervs. Sonoma Co., W. W. Felt, Jr., clk., plans hospital. $250,000 or more bonds will probably be voted to finance construction. Noted Oct. 2.

Ont., Toronto—Apartment—M. Holland, 1282 St. Clair Ave. W., plans 3 or 4 story and basement, rein.-con., brick and timber, plain foundation, St. Clair Ave. E. $150,000. Private plans.

Ont., Toronto — Exhibition — Dept. Pub. Wks., Parliament Bldg., plans 1 or 2 story and basement, rein.-con., brick and steel, plain foundation, Exhibition Park. $500,000. Engineer and architect not selected.

Ont., Toronto—Offices—Yolles & Rotenberg, 366 Adelaide St. E., plans 8 story and basement, rein.-con., brick, plain foundation, Bay and Albert Sts. $300,000. Engineer and architect not selected.

Que., Three Rivers—Hotel—Tomaqua Hotel Co. Ltd., c/o J. Balcer, having plans prepared by Asselin & Denoncourt, Three Rivers, 2 story, 35 x 150 ft. hotel, Pointe du Lac. $150,000.

BIDS DESIRED

Me., Augusta—Hotel—Weavers Restaurant, Water St., taking bids 6 story and basement, brick and timber addition. $150,000. Bunker & Savage, Augusta Trust Bldg., archts. Noted Feb. 5.

Mass., Boston — Apartment — Apsit & Knight, c/o H. R. Duffie, archt., 333 Belgrade Ave., Rosindale, will build 3 story and basement, brick and stone, plain foundation, Edgemont Rd. $175,000. Work will be done by separate contracts.

Mass., Boston—Apartment—D. Feldman, c/o S. S. Levy, archt., 35 Court St., will build 3 story and basement, 80 x 90 ft., rein.-con. and brick, plain foundation, Wellington Hill St. $150,000. Work will be done by separate contracts.

Mass., Brockton (Boston P. O.)—Office—Brockton Gas Light Co. taking bids altering and constructing 4 story and basement, brick and limestone addition, Main St. $150,000. Hutchins & French, 11 Beacon St., Boston, archts. Noted Feb. 26.

Mass., Cambridge (Boston P. O.)—Apartment—A. Bennett & A. I. Kramer, 431 Putnam Ave., taking bids 4 story and basement, 150 x 175 ft., brick, plain foundation, Magazine and Chestnut Sts. $200,000. A. McNaughton, 44 Bromfield St., Boston, archt. Noted Feb. 19.

Mass., Cambridge (Boston P. O.) — Apartment—S. F. Mitchell, c/o G. N. Jacobs, archt., 4 Park St., Boston, taking bids superstructure for 5 story and basement, 104 x 201 ft., brick and stone, plain foundation, Prescott St. and Bway. $450,000. Noted Jan. 29.

Mass., Danvers—Temple—Masonic Temple Assn. taking bids 1 story and basement, brick and stone, plain foundation, High and Park Sts. $150,000. Little & Brown, 114 Federal St., Boston, archt. Noted Feb. 19.

Mass., Lynn—Apartment—F. Ragosa, 36 Whitney St., will build 5 story and basement, 112 x 115 ft., rein.-con., brick and steel, plain foundation, Ocean and Cherry Sts. $225,000. Work will be done by separate contracts. B. E. Porter, 73 Tremont St., Boston, archt. Noted Feb. 5.

Mass., Medford — Office — Progressive Building Trust, c/o Desmond & Lord, archts., 1 Beacon St., Boston, taking bids 3 story and basement, brick and stone, plain foundation, Salem St. $150,000.

Mass., Wakefield—Exchange—New England Telephone & Telegraph Co., 50 Oliver St., Boston, J. E. Duffy in charge, taking bids 2 story and basement, brick and rein.-con., Richardson Ave. and Foster St., here. $150,000. P. O. Hopkins, 177 State St., Boston, archt. Noted Mar. 19.

Mass., Worcester — Warehouse — C. E. Mattson, c/o G. A. Johnson, archt., 405 Main St., taking bids 2 story and basement, 100 x 100 ft., brick, steel and rein.-con. warehouse. $150,000. Noted Mar. 12.

R. I., Woonsocket—Store and Apartment—Falk Bros., Main St., taking bids 4 story and basement, 85 x 110 ft., brick and stone, plain foundation, Social St. $200,000. O. D. Druin, 251 Main St., archt.

Conn., Ansonia — Temple — Building Comn., George Washington Lodge, taking bids 2 story and mezzanine, 75 x 80 ft., brick and stone, North Main St. $150,000. Orr & delGrella, 956 Chapel St., New Haven, archts. Noted Mar. 19.

Buildings—Commercial (Continued)

Conn., Hartford — Business — Hudson Cloak & Suit Co., 156 West 34th St., New York City, taking bids and open same about April 8, 8 story, 40 x 50 ft., brick and concrete, Main St. $150,000. Berenson & Moses, 30 Allyn St., archt. Noted Mar. 5.

Conn., New Haven—Business and Club—Young Men's Republican Club, L. Smith, pres., West Haven, taking bids 8 story, 52 x 145 ft., brick and steel, plain foundation. Temple and Crown Sts. $500,000. Shiner & Appel, 185 Church St., archt.

N. Y., Brooklyn — Theatre — Chanbrook Realty Corp., 105 Court St., will build brick, steel and stone, plain foundation, 47th St. near Bway. $200,000. Work will be done by separate contracts. H. J. Krapp, 1650 Bway., New York City, archt. and engr.

N. J., Camden—Theatre—Apr. 8, by Hoffman-Henon Co., archts., Finance Bldg., Phila., Pa., sub-bids for 1 story and basement, 110 x 160 ft. brick and steel, plain foundation, 6th and Market Sts., here, for Stanley Co. of America, 1916 Race St., Phila., Pa.

Pa., Harrisburg — Temple — Apr. 4, by I. O. O. F., 5 story and basement, 37 x 130 ft., steel and brick, plain foundation, 3rd and Foster Sts. $200,000. Lawrie & Green, 116 Locust St., archts.

Pa., McKeesport—Store, Apartment, etc. —Apr. 13, by B. Volk, Jr., and G. M. Rowland, archt., Bakewell Bldg., Pittsburgh, 2 and 3 story and basement, store, apartment and garage, Ringgold St. $150,000.

Pa., Phila. — Apartment — Apartment Homes Co., 518 Stock Exch. Bldg., will build 5 story and basement, 53 x 104 ft., brick and steel, plain foundation, 4035 Chestnut St., $225,000. Work will be done by separate contracts. Watson Eng. Co., 4614 Prospect Ave., Cleveland, O., archts. Noted Dec. 4.

Pa., Phila.—Store and Garage—M. and C. Rose, North Amer. Bldg., will build 4 story and basement, 115 x 127 ft., brick and steel, plain foundation, 2027-30 Sansom St. Work will be done by separate contracts. Noted Mar. 5.

Pa., Phila. — Warehouse — Apr. 14, by Atlas Storage Co., c/o W. E. Sweebury, 37th and Market Sts., 8 story and basement, 60 x 220 ft., rein.-con. and brick, plain foundation, 40th and Walnut Sts. $400,000. G. S. Kinksley, 109 Dearborn St., Chicago, Ill., archt.

Pa., Pittsburgh—Store and Office—T. H. Edwards, 120 Quincy Ave., Carrick, and C. R. Geisler, archt., Ferguson Bldg., taking bids 4 story and basement, 63 x 101 ft., brick and steel, Amanda Ave. and Brownsville Rd., here. $400,000.

Pa., Pittsburgh — Warehouse, etc. — L. Aronson, c/o U. S. Realty Co., Union Trust Bldg., taking bids 3 story and basement, 100 x 353 ft., concrete, Josephine and Greeley Sts. $400,000. R. Carey Dickson, 6200 Penn Ave., archt.

N. C., Charlotte—Office—Apr. 10, by K. M. Blake, 252 West 64th St., New York City, 10 story and basement office, South Tryon St. W. Rogers, Charlotte, archt.

O., Cleveland—Apartment—M. Margolin & M. S. Kaufman, 1201 Guarantee Title Trust Bldg., taking bids 3 story and basement, 30 x 52 x 80 ft., brick and stucco, 13,311 Buckeye Rd. $150,000. A. W. Harris, Guarantee Title Trust Bldg., archt.

Mich., Detroit — Hotel — C. N. Agree, archt., 1333 Book Bldg., taking bids and opens same about Apr. 10, 14 story, brick, steel and stone addition, plain foundation, Burns Ave., for Whittier Hotel, Burns Ave.

Ill., Chicago — Hospital and Medical School—Apr. 6, by Coolidge & Hodgson, archts. and engrs., 134 South LaSalle St., group 9 buildings, 6 story and basement, rein.-con., steel and stone, plain foundation, Midway Plaisance between Drexel and Ellis Aves., for University of Chicago, 230 South Clark St. $2,000,000. Noted Dec. 11.

Wis., Milwaukee—Apartment—G. Zagel & Bro., archts., 144 Oneida St., taking bids and open same about Apr. 6, 4 story and basement, 92 x 132 ft., brick, tile and steel, plain foundation, Prospect Ave., for L. and L. C. Goldmann, 526 Mitchell St. $200,000.

Neb., Franklin—Court House—Apr. 14, by B. W. Harrington, clk. Franklin Co., 4 story and basement, 70 x 90 ft., brick, concrete and stone court house. $200,000. G. A. Berlinghof, 14 Orpheum Bldg., Lincoln, archt. Noted Jan. 8.

Neb., Lincoln—Capitol—Apr. 28, by R. L. Cochran, engr., State Capitol, 2nd section State Capitol, incl. entire basement and 3 remaining work above ground. $2,500,000. B. G. Goodhue, 2 West 47th St., New York City, N. Y., archt. Noted Nov. 27.

Tex., Dallas—Warehouses—J. A. Pitzinger, archt., 807 Southwestern Life Bldg., taking bids one 3 story, 75 x 100 ft., and 4 story, 75 x 100 ft. warehouses, rein.-con. and brick, plain foundation, Griffin St., for J. J. Simmons, North Texas Bldg. $150,000.

Tex., San Antonio—Theatre—W. J. Lytle, c/o Princess Theatre Bldg., taking bids rein.-con., brick, stone and terra cotta, plain foundation, Houston and Travis Sts. $1,500,000. Boller Bros., 508 Ridge Bldg., Kansas City, Mo., engrs. and archts. Noted Feb. 26.

Wash., Seattle—Apartment—J. L. Homes, archt., Pantages Bldg., taking bids 5 story and basement, 65 x 120 ft., steel and concrete, 1317 Boren Ave., for Sovereign Investment Co. $175,000.

Calif., Long Beach — Club — Curlett & Beelman, archts., Union Bank Bldg., Los Angeles, taking bids 14 story and basement, 160 x 260 ft., rein.-con., Ocean Blvd., here for Pacific Club. $1,000,000. Noted Jan. 22.

Calif., Los Angeles — Apartment — S. Rabinowich, Union Bank Bldg., will build 4 story and basement, brick and concrete, 3rd and Kenmore Aves. $165,000. Work will be done by separate contract. Noted Jan. 15.

Calif., Los Angeles — Theatre, Store and Office—L. A. Smith, archt., Lily-Fletcher Bldg., taking bids 2 story, 100 x 155 ft., brick and concrete South Vermont Ave., for West Coast Theatres, Inc., Knickerbocker Bldg. $150,000.

Calif., Petaluma—Bank—H. W. Winner Co., archts., 55 New Montgomery St., San Francisco, taking bids 1 story, 2 mezzanine floors, rein.-con. bank, here, for Sonoma County Natl. Bank. $150,000.

CONTRACTS AWARDED

N. H., Concord — Temple and Theatre — Bek Tash Real Estate Assn., c/o C. R. Whitcher, archt., 814 Elm St., Manchester, 3 story, 100 x 150 ft., brick and steel, to Hutchinson Building Co., 165 South Main St. Archts. est. $250,000. Noted Feb. 26.

Mass., Boston—Garage—G. W. Bunnell, 56 Winchester St., Brookline, 4 story, 70x 245 ft., rein.-con. and steel, plain foundation, 565-589 New Bury St., to Natl. Eng. Corp., 60 Federal St. Archts. est. $20,000. Noted Jan. 15.

Mass., Boston—Store—Northern Realty Trust, c/o C. J. Carpenter, Jr., archt., 1 Moss Hill Rd., Jamaica Plain, 2 story and basement, brick, 56-70 Cambridge St., to Withey Constr. Co., 146 Tyler St. Archts. est. $150,000. Noted Feb. 12.

Mass., Boston—Store and Office—Bryant Real Estate Trust, c/o F. A. and F. M. Kendall, archts., 45 Bromfield St., will build 5 story and basement, 50 x 60 ft., brick and stone, 85-91 Court St. to Beacon Constr. Co., 110 State St. Archts. est. $150,000. Noted Mar. 5.

Mass., Framingham—Store—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., 2 story and basement, rein.-con. and brick, Irving St., here, to T. I. McMahon, Framingham. Archts. est. $150,000. Noted Mar. 12.

Mass., Lawrence—Office—Bay State Natl. Bank, reconstructing and altering 8 story and basement, rein.-con., brick and steel office building, to E. A. Peabody & Son, Bay State Bldg. Archts. est. to exceed $150,000.

Mass., Springfield—Store—F. W. Woolworth Co., Park Sq. Bldg., Boston, 3 story and basement, brick, to E. J. Pinney Co., Main St. Archts. est. $150,000.

Mass., Newton Center (Br. of Boston)—Dormitory—Newton Rest Assn., c/o H. H. Kendall, 876 Beacon St., Boston, 1 and 2 story and basement, 100 x 200 ft., brick and timber, here, to A. I. English Co., 22 Union St., Newton. Archts. est. $150,000. Noted Mar. 12.

Conn., New Haven — Apartment — L. Miller, 162 Bishop St., will build 4 story and basement, 52x116 ft., brick and steel, Howard St., by day labor. $150,000. J. Weinstein, Metropolitan Bldg., archt.

Conn., Stamford — Apartment — E. I. Rogers, 34 Bedford St., brick and steel, Bedford St., to Vuono Constr. Co., Bank Bldg. Archts. est. $150,000.

N. Y., Brooklyn—Apartment—A. Goldberg, c/o Cohn Bros., archts and engrs., 361 Stone Ave., will build 4 story, 90 x 100 ft., stone and brick, plain foundation, East 35th St. and Clarendon Rd., by day labor. $175,000.

N. Y., Brooklyn — Apartment — Welch Constr. Co., c/o Shampon & Shampan, archts. and engrs., 188 Montague St., will build brick, steel and stone, plain foundation, Maple St., by day labor. $750,000.

N. Y., New York—Apartment—H. Lucas, 101 Park Ave., brick, steel and stone, plain foundation, East 57th St., to Todd, Robertson & Todd Eng. Corp., 347 Madison Ave. Archts. est. $1,500,000.

N. Y., New York—Office—Five Hundred Fifty 5th Ave. Corporation, c/o G. Keitzer, archt. and engr., 56 West 45th St., will build 16 story, 50 x 100 ft., brick, steel and stone, plain foundation, 556 5th Ave., by day labor.

N. Y., Schenectady—Theatre—F. F. Proctor, 1564 Bway., New York City, 3½ story, steel and cement, with arcade 2 story high, State and Smith Sts., here, to C. P. Boland & Co., P. O. Box 587, Troy. Archts. est. $1,200,000.

N. J., Camden—Lodge—J. C. Jeffries, archt., 312 Market St., Phila., Pa., 3 story and basement, 70 x 150 ft., brick and steel, plain foundation, 7th and Cooper Sts., here, to H. J. Homan Co., 18th and Cherry Sts., Phila., Pa., for B. P. O. E., Bway. and Federal Sts. Noted Mar. 12.

N. J., New Brunswick — Home — Elks Lodge, 4 story and basement, 50 x 102 ft. and 72 x 116 ft., Liingston Ave., general contract to G. B. Rule, Inc., 71 John St., $192,950, heating and plumbing to Burns, Lane & Richardson, 16 Patterson St. $38,993.

Pa., Bellevue—Hospital—Suburban Hospital Assn., general contract 2 story and basement addition, to B. A. Groah Constr. Co., West North Ave., Pittsburgh. Archts. est. $150,000.

Pa., Erie—Exchange—Mutual Telephone Co., 2 story and basement, 100 x 164 ft., brick and concrete, to H. Shenk Co., Erie. Archts. est. $150,000. Noted Mar. 26.

Pa., Germantown (Phila. P. O.)—Hospital—A. H. Brockie, archt., 254 South 15th St., Phila., group of 5 story and basement, 45 x 155 ft., 49 x 77 ft. and 55 x 167 ft., brick and steel buildings, plain foundations, Wistar and Penn Sts., here, to Irwin & Leighton, 126 North 12th St., Phila., for Germantown Dispensary Hospital. Archts. est. $1,000,000. Noted Feb. 5.

Pa., Johnstown — Public Safety — M. Z. Smith, city comr., 5 story and basement, 75 x 100 ft., brick, Washington St., general contract to Berkibile Bros., Swank Bldg., $213,919; plumbing, to Cambria Plumbing & Heating Co., 423 Franklin St., $69,669. Noted Jan. 29.

Pa., Lebanon—Hotel—Lebanon Hotel Co., c/o P. A. Volcker, 44 South 8th St., 6 story and basement, 110 x 200 ft., brick and steel, plain foundation, 9th and Cumberland Sts., to J. S. Hershey, St. Girard Bldg., Phila. Archts. est. $700,000.

Pa., Phila. — Apartment — Rosemont Constr. Co., c/o H. Swanford, 1317 Weidner Bldg., will build 4 story and basement, 100 x 147 ft. brick and steel, plain foundation, Pine St. east of 46th St., by day labor. $400,000. G. B. Johnson, 5413 Media St., archt. Noted Feb. 19.

Pa., Phila. — Apartment — McCallum Apartment Corp., c/o J. Bernhard, 13th and Walnut Sts., 9 story and basement, McCallum and Hortner Sts., 28 x 72 ft., 28 x 72 ft., and 24 x 60 ft., to Wark Co., 1600 Walnut St. Archts. est. $1,200,000.

Pa., Phila.—Apartment—W. Webster, 366 Madison Ave., New York City, 18 story and basement, 100 x 175 ft., brick and steel, plain foundation, 17th and Locust Sts., to Barras Constr. Co., 1612 Market St. Archts. est. $2,500,000.

Pa., Phila.—Office—J. C. Kahn, Morris Bldg., 16 story and basement, 119 x 141 ft., brick and steel, plain foundation, 19th and Arch Sts., to Wark Co., 1600 Walnut St. Archts. est. $1,500,000. Noted Nov 27.

Pa., Pittsburgh—Nurses' Home—Mercy Hospital, Pride and Stevenson Sts., general contract 9 story and basement, Boulevard of Allies, to W. F. Trimble & Sons, 1719 Penn Ave. N. S. Archts. est. $900,000. Noted Mar. 5.

Pa., Pittsburgh — Warehouse—Demmler Bros., general contract 5 story and basement, 45 x 100 ft., brick, concrete and steel, Ross St., to B. A. Groah Constr. Co., West North Ave., N. S. Archts. est. $150,000.

Pa., Pittsburgh — Warehouse — U. S. Realty Co., Penn Ave., general contract 2 story and basement, 100 x 353 ft. warehouse, Josephine and Greeley Sts., to Toupet Constr. Co., 5800 Ellsworth Ave. $200,000.

Md., Baltimore—Garage and Warehouse —G. F. Masson, pres. Masson's Express, 107 West Pratt St., 3 story and basement, 90 x 140 ft. brick and steel, plain foundation, Pratt and Poppleton Sts., to Price Constr. Co., Maryland Trust Bldg., $150,000.

N. C., Greensboro — Warehouse — Proximity Mfg. Co., 6 story, 122 x 122 ft., concrete warehouse, to W. M. Welch, Inc., Greenville.

Buildings—Commercial (Continued)

D. C., Wash.—Office—Medical Building Corp., constructing medical office, 1801 I St., N.W., to L. P. Schall, Box 1152, Richmond, Va. Archts. est. $400,000.

O., Youngstown—Armory—F. D. Henderson, Adj. Gen. State Building Comn., Columbus, for Ohio State Armory, 2 story, 144 x 188 ft., brick, here, to Heller-Murray Co., Youngstown, approximately $100,000. Noted Feb. 26.

Mich., Eloise—Infirmary—H. H. Prenzlauer, secy. Wayne Co. Supts. of Poor, County Bldg., 3 story and basement, rein.-con., brick and steel, plain foundation, to Rosewarne, McNab & Morswick, 333 State St., Detroit. Archts. est. $400,000. Noted Jan. 22.

Ill., Alton — Warehouse, etc. — Illinois Glass Co., 130 x 1,000 ft., timber and concrete warehouse and several other buildings, to M. C. Tuttle Co., 862 Park Square Bldg., Boston, Mass.

Wis., Wausau—Bank and Office—Childs & Smith, archts., 720 Michigan Blvd., Chicago, Ill., 8 story and basement, 50 x 122 ft., brick, stone, steel and concrete, plain foundation, here, to Hutter Constr. Co., 128 Western Ave., Fond du Lac, for Amer. Natl. Bank, 3rd and Scott Sts. Archts. est. $375,000. Noted Mar. 12.

Minn., Minneapolis — Apartments—Twin City Building & Investment Co., 2328 North 2nd St., two 3 story and basement, 69 x 174 ft., rein.-con. and brick, 28th St. and Park Ave., general contract to Anderson-Nelson Constr. Co., 610 First Nat'l-Soo Line Bldg.

Mo., Kansas City—Apartment Hotel—W. Jewell, Jr., 626 Chambers Bldg., will build 7 story and basement, 52 x 130 ft., rein.-con., brick and terra cotta, 13th and Wyandotte Sts., by day labor. H. A. Drake, 315 Reliance Bldg., archts.

Mo., Springfield—Hotel—J. T. Woodruff, Woodruff Bldg., general contract 4 story and basement, 95 x 150 ft., native stone and brick, to Caldwell & Son, Woodruff Bldg. Archts. est. $650,000.

Tex., Dallas — Hotel — Mitchell & Lawrence and J. Genaro, 608 19 South Pearl St., 10 story and basement, 50 x 100 ft., Jackson and Houston Sts., to Jopling-Marshall Constr. Co., Slaughter Bldg., $500,000 cost plus percentage basis.

Tex., San Antonio—Theatre and Office—J. Oppenheimer, A. Kronkosky, et al., rein.-con., brick, stone and part steel, plain foundation, St. Marys and Commerce Sts., to Kelwood Co., Travis Bldg. $1,500,000.

Wash., Seattle—Apartment—A. W. Cassells, Brown-Cassells Apartment, 4 story and basement, 118 x 120 ft., 1218 Terry Ave., to E. K. Sheble, 2955 36th St., S., $155,000.

Wash., Seattle—Apartment—F. M. Stanley, c/o H. Bittman, archt., Securities Bldg., 4 story and basement, 108 x 120 ft., rein.-con., 5th and Wall Sts., to Albertson, Cornell Bros. & Walsh, Seattle, $250,000.

Wash., Seattle — Apartment Hotel — Olympus Holding Co., 10 story and basement, 108 x 120 ft., brick, rein.-con. and terra cotta, 4th and Virginia Sts., to S. Berg, 3402 Woodland Ave. Archts. est. $750,000.

Calif., Long Beach — Office and Store — W. P. Wilson, c/o Dedrick & Bobbe, archts., 214 Laughlin Bldg., 8 story and basement, 50 x 150 ft., rein.-con., 8th St. and Pine Ave., to Stradley, Newton & Wilkie, Markwell Bldg., approximately $400,000.

Calif., Los Angeles — Hotel — Boyce — Seeley Constr. Co., 411 Pacific Finance Bldg., will build 6 story and basement, rein.-con., Lincoln St. near Figueroa St., by day labor. $400,000.

Calif., San Francisco — Apartment — B. Lowe, 200 Davis St., will build 6 story and basement, brick and steel, Pine and Stockton St., by day labor under supervision of Baumann & Jose, archts., 251 Kearney St. $150,000. Noted Mar. 19.

Calif., San Francisco — Theatre, Store and Office—W. B. Wagnon, 325 Bush St., 4 story, Class A, Market and Hyde Sts., to R. McLeran & Co., Hearst Bldg., approximately $1,500,000. Noted Feb. 5.

Que., Sherbrooke—Hospital—St. Vincent de Paul Hospital, 4 story, 48 x 504 ft. hospital addition, to J. A. Dion, Sherbrooke, $410,000. Noted Dec. 4.

Buildings—Educational, Religious

PROPOSED WORK

Me., Auburn — School — School House Dept. plans elementary school. $150,000. Engineer and architect not selected.

N. H., Littleton—High School—School Bd. plans new high school. $150,000 appropriation. Engineer and architect not selected.

N. H., Rochester—High School—School Comn. having plans prepared by J. E. Richardson, 56 Grove St., Dover, 3 story and basement, 68 x 70 ft. and 52 x 90 ft., brick and stone, plain foundation. $165,000. Noted Mar. 5.

Mass., Boston—School—Beaver School, 9 Beaver Pl., having preliminary plans prepared by C. G. Loring, 7 Water St., 4 story and basement, brick and stone, Chestnut St. $150,000.

Mass., Braintree—High School—School Building Comn., plans high school, Washington St. $360,000 appropriated. Engineer and architect not selected.

Mass., Charleston (Boston P. O.) — School—School House Dept., T. P. Glynn, chn., having preliminary plans prepared by J. Driscoll, 6 Beacon St., Boston, 2 story and basement, brick and limestone, plain foundation, Warren-Bunker Hill Dist. $200,000.

Mass., Hanover—School—School Dept., Town Hall, plans elementary school. $150,000. Engineer and architect not selected.

Mass., Worcester — School — Superintendent Pub. Buildings City Hall, Main and Front Sts., having plans prepared by J. Rustigian, 405 Main St., brick and stone addition, Elizabeth St. $150,000.

Conn., East Haven (Br. of New Haven) —Library—Town plans Hagaman Memorial Library, Main St. $250,000.

Conn., New Britain—School—School Bd., plans school, East St. $275,000. H. F. Ludorf, 122 Main St., archt.

Conn., New Britain—Schools—School Bd., plans schools in Lincoln and Munroe Dists. $325,000 each. Engineer and architect not selected.

Conn., Southington (Hartford P. O.)—School—School Comn., takes bids about Apr. 6th, 2 story and basement, 62x150 ft., brick and cast stone, plain foundation. $150,000. W. T. Arnold, 32 West Main St., Meriden, archt. Noted Mar. 19.

Conn., Windsor — School — School Bd., Town Hall, having plans prepared by H. A. Hayden, 175 Main St., Bristol, Roger Wolcott School. $150,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, Flatbush Ave. extension and Concord St., brick, steel and stone addition to P. S. 104, plain foundation, for Bd. Educ., 500 Park Ave., New York City. $500,000.

N. Y., Buffalo—Church—St. Johns Episcopal Church, Bidwell Parkway and Lafayette Ave., plans church, Lafayette Ave. $200,000.

N. J., Newark—Church—St. Lucys Roman Catholic Church, 19 Sheffield St., having plans prepared by N. J. Convery, 964 Broad St., brick and stone, plain foundation, Sheffield St. $150,000.

N. J., Margate City (mail Ventnor)—School—Bd. Educ. having plans prepared by V. Smith, Guaranty Trust Bldg., Atlantic City, 2 story, 16 room school. $200,000.

N. J., New Brunswick — Physics and Recitation—Rutgers College, W. T. Martin, actg. pres., plans physics and recitation building. $450,000. Engineer and architect not selected.

Pa., Pittsburgh — Church — East End Christian Church, East End, having plans prepared by V. Rigaumont, State Theatre Bldg., 2 story and basement, stone, Alder St. $400,000.

Md., Cumberland—High School—Smith & May, archts., Calvert Bldg., rejected bids Mar. 24, 3 story and basement, 169 x 200 ft., brick and steel, plain foundation, for Bd. Educ. Allegheny Co. $450,000. Will readvertise. Noted Mar. 5.

D. C., Wash. — Schools — Dist. Comrs. plan school at 5th and Sheridan Sts., $175,000; high school, 24th and N Sts., $475,000; McKinley Manual Training School, 2nd and T Sts., $2,250,000; Bruce School, $149,000; Junior High School, addition to MacFarland School, $125,000.

N. C., Asheville—Schools—City having plans prepared by C. H. Sayre, Greensboro, new schools. $550,000 bonds voted for same.

N. C., Rocky Mount—High School—State Legislature authorized city to issue $350,000 bonds erection and equipment high school.

Fla., St. Petersburg—High School, etc.—Bd. Educ., having preliminary plans prepared by M. L. Elliott, Citizens Bank Bldg., Tampa, and W. B. Ittner, 911 Locust St., St. Louis, Mo., 2 story, 280 x 310 ft. high school, with 1 story, 60 x 180 ft. cafeteria and locker building in rear, both brick and concrete. $750,000.

O., Cincinnati—Library—St. Xavier College, Woodburn Ave., having plans prepared by J. B. Steinkamp & Bro., Mercantile Library Bldg., 2 story and basement, rein.-con. and brick, plain foundation, Woodburn Ave. $150,000.

O., Dayton—Schools—Bd. Educ. having plans prepared by Walker & Norwick, 1301 Amer. Bldg., and Gebhart & Schaeffer, 507 Keith Bldg., 2 and 3 story and basement, brick and rein.-con. additions to Edison and Ruskin Schools, plain foundations. $200,000.

Ind., Muncie — Library — Eastern State Normal School, University Ave., plans rein.-con. and brick, plain foundation, in Normal City a suburban of here. $250,000.

Ia., Des Moines—Church—Grace Methodist Episcopal Congregation, c/o L. M. Grigsby, 936 1st St., pastor, having preliminary plans prepared by Vorse, Kraetsch & Kraetsch, 1201 Commonwealth Bldg., 1 and 2 story and basement, rein.-con., brick and stone, 37th St. and Cottage Grove Ave. $225,000.

Kan., Ft. Scott—School—Election Apr. 7, $200,000 bonds brick and concrete school, C. A. Smith, 800 Finance Bldg., Kansas City, Mo., archt. Noted Jan. 1.

S. D., Sioux Falls—School—Election soon $643,000 bonds, for 3 story and basement, school and other improvements, for Bd. Educ., B. S. Van Slyke, clk.

Mo., St. Louis — Athletic — Washington University, Forsythe Ave. and Skinker Blvd., making preliminary plans 2 story and basement, rein.-con., brick and stone, Forsythe and Pennsylvania Aves. $400,000.

Mo., St. Louis—High School—Bd. Educ. takes bids about June 17, Intermediate High School, 3 story and basement, 269 x 368 ft., rein.-con., brick, stone, tile and steel, Market, Laclede, Cardinal and Garruson Sts. $875,000. R. M. Milligan, 911 Locust St., comr. Noted Nov. 27.

Tex., Dallas — Church — Owner, c/o T. Lee, pastor, 3607 Haynie St., having plans prepared by De Witt & Lemmon, 507 Southwestern Life Bldg., 2 story and part basement, 150 x 150 ft., brick and stone, Mockingbird Lane and Abbott Ave. $225,000.

Tex., Dallas—Gymnasium—H. M. Whaling, vice-pres. Southern Methodist University, and De Witt & Lemon, archts., Southwestern Life Bldg., soon take bids brick and steel gymnasium, plain foundation, 4,000 seating capacity. $200,000.

Tex., McAllen—College—H. P. Smith, archt., San Antonio, had plans prepared by H. P. Smith, San Antonio, 3 story administration building, E shaped, brick, tile, etc., boiler room and engine house, 2 filter units, storage water tanks, sewerage system, septic tank and 8 rein.-con. chimneys, for Owner, c/o J. M. Carroll, pres. $300,000.

Tex., Ralls—High School—Election Apr. 11, $150,000 bonds high school, for Bd. Educ., P. B. Ralls, pres. Engineer and architect not announced.

Colo., Denver—School—City and Denver Co. had plans prepared by E. F. Redding, Tabor Opera House Bldg., 4 story, 69 x 123 ft. school, also 55 x 67 ft. boiler room brick, terra cotta and concrete, 12th and Welton Sts. $150,000.

Colo., Grand Junction — Schools — City having plans prepared by E. Groves, Foster Bldg., Denver, Lincoln Park Grade School and gymnasium building, both 1 story; also Whitman Park Grade, 7th Ave. Grade and Junior High Schools, each 2 story, all steel, brick and concrete. $270,000. Noted Feb. 26.

Colo., Longmont—High School—School Dist. having plans prepared by W. N. Bowman, Central Savings Bank Bldg., Denver. 3 story, L shaped high school with 65 x 240 ft. and 60 x 100 ft. wings, rein.-con. and brick. $220,000.

Calif., Huntington Beach — High School —Huntington Beach School Dist. plans election $150,000 or more bonds for fireproof high school.

Calif., Los Angeles — Church — First Baptist Church, having preliminary plans prepared by Allison & Allison, Hibernian Bldg., fireproof church, Westmoreland and Leeward Aves. $500,000 or more.

Calif., Los Angeles — Schools — City having plans prepared by Webber, Stanton & Spaulding, Hibernian Bldg., Lincoln High School, 3 story, 24 room, brick science building, 1 story, 60 x 100 ft., timber gymnasium, 2 story, rein.-con. ceramics building, etc., $275,000; by O. H. Nehr, Insurance Exch., Bldg., Van Nuys High School, domestic science and art

Buildings—Educational, Religious (Cont.)

building, etc., $160,000; by A. C. Martin, Higgins Bldg., Polytechnic High School, domestic science building, etc., $280,000; by E. Bergstrom, Citizens Natl. Bank Bldg., Fremont High School and science building, etc., $200,000; by Hunt & Burns, Laughlin Bldg., 3 story addition to Roosevelt High School and 1 story, brick and concrete shop buildings, $150,000; by T. C. Kistner, Pantages Theatre Bldg., John Adam Junior High School, $225,000; by Johnson & Coate, Unoin Bank Bldg., Starr King Jr. High School, $340,000; by Edelman & Zimmermann, 726 H. W. Hellman Bldg., Horace Mann Jr. High School, $340,000; and by Farrell & Miller, Western Mutual Life Bldg., Torrence Elementary School, $150,000.

Calif., Montecito — School — Trustees of Montecito Grammar School Dist. soon take bids 1 story, fireproof school. $150,000. W. H. Weeks, 369 Pine St., San Francisco, archt.

Calif., Oakland — High School — City having plans prepared by Architectural Dept. Bd. Educ., City Hall, Frick Jr. High School, fireproof. $195,000.

Calif., Oakland — Schools — City having plans prepared by Architectural Dept., of Bd. Educ., City Hall, 78th Ave., Toler Heights, Beulah, Columbian Park and Montclair Schools, fireproof construction. $200,000.

Calif., Oakland — High School — City having plans prepared by Miller & Warnecke, 1404 Franklin St., for Garfield School, 2 story, concrete. $235,000. Noted Nov. 13.

Calif., Oakland—Schools—City having plans prepared by Architectural Dept. Bd. Educ., City Hall, Webster School, incl. 12 rooms and auditorium, $118,000; and 8 room annex to Prescott School, $68,000 both fireproof construction.

Calif., Redlands—Church—First Baptist Church having preliminary plans prepared by N. F. Marsh, Bway. Central Bldg., Los Angeles, stone church building. $150,000.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by C. Werner, Santa Fe Bldg., Argonne School annex, fireproof, in Park-Presidio Dist. $150,000.

Ont., Belleville — Collegiate — Bd. Educ. plans collegiate. $350,000. A. McGie, chn.

Ont., Toronto — School — Bd. Educ., 155 College St., havng plans prepared by C. Dyson, 155 College St., 2 story and basement, 8 room, rein.-con., brick and steel addition to Malvern Collegiate, plain foundation. $150,000.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 3 story and basement, 8 or 10 room, rein.-con., brick and steel addition, plain foundation. $150,000.

Ont., Toronto — School of Hygiene — Toronto University, Queens Park, having plans prepared by Mathers & Holdenby, 92 Bloor St., W., 3 story and basement, rein.-con., brick and steel, plain foundation. $400,000.

BIDS DESIRED

Vt., Burlington—High School—A. Kellogg, 89 Franklin St., Boston, Mass., taking bids Junior High School 2 and 3 story and basement, 60 x 100 ft., and 90 x 130 ft., brick and stone. $350,000. F. L. Austin, 240 College St., archt. Noted Aug. 28.

Vt., Proctor — Church — St. Dominics Parish taking bids 1 story and basement, 70 x 115 ft., rein.-con., brick and marble church, plain foundation. $150,000. Maginnis & Walsh, 100 Boylston St., Boston, Mass., archt.

Mass., Roxbury (Boston P. O.)—School—Apr. 17, by School House Dept., Boston, 3 story and basement, 50 x 120 ft., brick and stone addition to Boston Trade School, Parker St., Comins-Sherwin Dist., here. $200,000. McLaughlin & Burr, 58 Tremont St., Boston, archts. Noted Mar. 5.

Conn., Stamford—Church—Apr. 7th, by Holy Name of Jesus Parish, F. M. Waldasz, pastor, 1 story and basement, brick and steel, South St. $150,000. H. F. Ludorf, 122 Main St., New Britain, archt. Noted Mar. 19.

Md., Cumberland—High School—Apr. 7, by Smith & May, archts., Calvert Bldg., Baltimore, 3 story, 169 x 200 ft., rein.-con. and brick, plain foundation, for Alleghany Co. $375,000. Noted Mar. 5.

Mich., Addison—School—Apr. 13, by G. Crofoot, secy, Bd. Educ., 3 story and part basement, 83 x 102 ft., rein.-con., brick and steel, plain foundation. $150,000. Warren Holmes-Power Co., Lansing, archts.

Mich., Detroit—School—Apr. 8, by W. A. McFarlane, secy. Bd. Educ. Dist. 9, Plymouth Rd., 2 story and basement, 11 rooms and gymnasium, rein.-con., brick and steel, plain foundation, Plymouth Rd. $150,000. Verner, Wilhelm & Molby, 824 Book Bldg., archts.

Mich., Grand Rapids—School—Apr. 15, by H. N. Morrill, bus. mgr. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Burton School site. $200,000. Turner & Thebaud, Michigan Trust Bldg., archts.

Wis., Racine—School—Apr. 16 (extended date), by Bd. Educ., A. Schafer, secy., 2 story and basement, brick and tile addition to Fratt School, plain foundation. $150,000. J. M. Matson, Baker Block, archt. Noted Mar. 26.

Calif., Anaheim—Convent and Home—T. F. Power, archt., 2516 West 7th St., Los Angeles, taking bids 3 story, 75 x 175 ft., rein.-con. convent and home, for Religious Order of St. Dominick, c/o architect.

Calif., Pasadena—Library—Apr. 20, by City Trustees, general contract, part 1, 2 and 3 story, 180 x 310 ft., rein.-con. library. M. Hunt, Hibernian Bldg., Los Angeles, archt. Noted Oct. 23.

Calif., San Francisco—School—Apr. 22, by Bd. Pub. Wks., fireproof school, 22nd and Douglas Sts., for City and San Francisco Co. $400,000. J. Reid, Jr., 1st Natl. Bank Bldg., city archt.

N. B., St. John—School—Apr. 6, by F. N. Brodie, St. John, 3 story, 160 x 272 ft. rein.-con., brick, steel and stone, plain foundation, Douglas Ave., for Bd. Educ. $350,000.

BIDS RECEIVED

N. J., Vineland—Institution—State Bd. Institutions & Agencies, 135 West Hanover St., Trenton, constructing group of buildings, here, from T. M. Day & Sons, Hunt Bldg., Trenton, $410,500; colony and idiot buildings, from V. Gondos, Franklin Trust Bldg., Phila., Pa., $179,900; idiot and colony buildings from General Constr. & Contg. Co., 117 Emory Ave., Trenton, $85,981 and $87,300 respectively; low and middle class building from C. McCaull Co., 1715 Sansom St., Phila., Pa., $84,360; assembly building, from Wills-Bill & Co., 1708 Sansom St., Phila., Pa., $93,440. Noted Mar. 5.

Minn., Minneapolis—Schools—Bd. Educ., 305 City Hall, Mar. 16, general contract two 2 story and basement, rein.-con., brick, tile and stone, one at 44th and Girard Aves. N., from L. Fleisher Co., 505 Plymouth Bldg., $80,000, and other at Oliver and 10th Aves. N., from Pehrson Bros., 555 Temple Court, $59,456. Noted Mar. 12.

Calif., Alhambra—Church—C. F. Skilling, archt., Bradbury Bldg., Los Angeles, 50 x 100 ft. Sunday school building, 65 x 140 ft. educational building, and 65 x 70 ft. pastors study, etc., all brick and rein.-con., here, from Steed Bros., 305 North Garfield St., for First Methodist Episcopal Church. $157,740. Noted Mar. 5.

CONTRACTS AWARDED

Me., Biddeford — High School — School Comn., Town Hall, 3 story and basement, 70 x 110 ft., and 70 x 112 ft., brick and steel, plain foundation, to J. A. Benoit, Biddeford, $127,568. Noted Mar. 19.

Me., Dover — Foxcroft — High School — City, W. J. Mayor, 2 story and basement, brick and stone high school, to S. F. Atwood, Dover. Archts. est. $150,000. Noted Sept. 11.

Mass., Chelmsford — Church — Roman Catholic Archbishop of Boston, c/o J. M. Gray, archt., 175 High St., Boston, 1 story and basement, 60 x 100 ft., rein.-con. and timber church, here, to A. T. Minor, Chelmsford. Archts. est. $150,000. Noted Mar. 12.

Mass., Maynard—High School—Superintendent of Schools, 2 story and basement, brick high school, to T. P. Hurley, Marlboro, $121,000. Noted Mar. 19.

R. I., Woonsocket—Church—St. John's Roman Catholic Parish, A. Graton, pastor, 80 x 172 ft., 80 x 172 ft. church with 180 ft. tower, Quincy Ave., to A. and D. Boileau, 245 McDougall Ave., Montreal, Que., $350,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, P. S. 63, Williams Ave., here, general contract to G. F. Driscoll, 115 Schermerhorn St., $474,890; plumbing, to A. J. Hendel, 33 Railroad Ave., Corona, $37,977; heating, to D. J. Rice, 405 Lexington Ave., New York City, $65,875. Noted Mar. 26.

N. Y., Buffalo—School—Bd. Educ., Genesee Bldg., P. S. 75, rein.-con. and brick, Monroe St., to G. Schaaf, 258 Kingsley St., $331,086. Noted Mar. 5.

Pa., Shamokin — School — Coal Twp. School Dist., Oneida St., 2 story and basement, 83 x 142 ft., brick and steel, plain foundation, in Northumberland Co., to Shamokin Lumber Co., Shamokin. Noted Feb. 5.

Del., Wilmington — School — St. Peters Catholic Church, c/o J. J. Dougherty, pastor, 3 story and basement, 50 x 105 ft., brick and steel, plain foundation, 6th and Tatnall Sts., to Joyce & Kerrigan, 114 Broome St. Archts. est. $150,000. Noted Dec. 18.

Va., Richmond—School—City, general contract Richmond Normal School, 200 x 400 ft., mission type, colored terra cotta, incl. 40 class rooms, auditorium, gymnasium, etc., to R. K. Harwood Constr. Co., Newport News. Archts. est. $376,900.

N. C., Hendersonville — School — City, brick and concrete school, containing 38 class rooms, to J. J. Stroud, Southern Pines, $192,300.

O., Cheviot (Cincinnati P. O.)—School—Village, 1 story and basement, rein.-con. and brick, plain foundation, Harrison Ave., to E. Honnert, Mt. Healthy, $205,000. Noted June 26.

O., Fairview—School—Bd. Educ., P. P. Jordan, clk., 2 story and basement, 76 x 168 ft., brick, steel and concrete, to R. S. Ursprung, Beckman Bldg., $117,834. Archts. est. $200,000. Noted Mar. 19.

O., Shaker Heights (Cleveland P. O.)—Schools — Bd. Educ., J. W. Main, clk., 3 story and basement, brick, steel and concrete, South Moreland and Lee Rds., to Alexander Bros., Williamson Bldg., Cleveland, $393,896; steam heating, to Feldman Bros., 10309 Barrett Ave., Cleveland, $51,425; 2 story and basement, brick, steel and concrete addition, Drexmore and Southington Rds., to Schrader Constr. Co., Euclid-46th Market Bldg., Cleveland, $136,231. Noted Feb. 26.

Wis., Fond du Lac—School—St. Peters Congregation, c/o A. C. Egelhoff, 87 South Main St., 2 story and basement, 80 x 105 ft., brick and tile, plain foundation, to Hutter Constr. Co., 128 Western Ave. Archts. est. $150,000. Noted Mar. 5.

Mo., Hannibal—High School—Bd. Educ., general contract 2 story and basement, 110 x 195 ft., rein.-con., brick and stone, to W. E. Fogerson, Republic, $112,180. Noted Jan. 8.

Mo., Oran — School — Bd. Educ., G. C. Blocker, secy., general contract 2 story and basement, 110 x 127 ft., brick, concrete and timber, to R. Welteike, Sikeston. Noted Mar. 12.

Colo., Ft. Morgan—High School—School Dist., general contract 3 story, 200 x 300 ft. high school, to Bushboom, Fairbury, Neb., $177,000; plumbing and heating, to City Plumbing & Heating Co., Boulder, $53,000.

Calif., Berkeley—Gymnasium—University of California, 708 15th St. (1st unit) Phoebe Hearst Memorial, 3 story concrete gymnasium, to K. E. Parker Co., 519 California St., San Francisco, approximately $300,900. Noted Mar. 26.

Que., Cap-De-La-Madeleine — College — Comrs. Roman Catholic School, 3 story, 60 x 110 ft. college, to U. W. Rousseau, Cap-De-La-Madeleine. Archts. est. $150,000.

Federal Government Work

PROPOSED WORK

N. Y., New York—Platform, etc.—U. S. Engineer Office, War Dept., Wash., D. C., plans stone platform, steps, etc., at MacDonough Memorial, here.

W. Va., Alderson—Reformatory—Treas. Dept. at office Supervising Archt., Wash., D. C., having plans prepared reformatory, here.

S. C., Charleston—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., plans dredging in Charleston Harbor, here.

Calif., San Diego—Quarters—Spec. 5072—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids 2 single and 1 double quarters at Naval Operating Base (Hospital), here.

Calif., Santa Monica—Hospital—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., plans group of hospital buildings, here.

P. I., Canacao—Hospital—Spec. 5051—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids constructing hospital, here.

BIDS DESIRED

Mass., South Boston — Capstans — Spec. 5069—Apr. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., capstan pits,

Federal Government Work (Continued)

Bollard foundation and Pier Bollard, here. Noted Mar. 5.

R. I., Providence—Dredging—May 1, by U. S. Engineer Office, dredging in Block Island Harbor of Refuge, here; adv. E. N.-R. Apr. 2.

Ala., Florence—Cylinder Valves—Apr. 11, by U. S. Engineer Office, four sets cylinder valves, etc., for Lock 1, Wilson Dam; adv. E. N.-R. Apr. 2.

Ala., Florence—Roofing—Apr. 7, by U. S. Engineer Office, War Dept., built up bituminous roofing for generator, lead tower switchboard building and oil circuit breaker building, at Wilson Dam.

Mich., Detroit — Borings — Apr. 30, by U. S. Lake Survey Office, Old Customhouse, borings in St. Lawrence River; adv. E. N.-R. Apr. 2.

Wis., Milwaukee—Steel Barges—Apr. 30, by U. S. Engineer Office, constructing steel barges; adv. E. N.-R. Apr. 2.

Mo., St. Louis—Earthwork—Apr. 28, by Mississippi River Comn., 1311 International Life Bldg., 300,000 cu.yd. earthwork in Iowa River-Flint Creek Levee Dist. 16, Ia.; adv. E. N.-R. Apr. 2.

Ark., Russellville—Post Office—Apr. 28, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story post office, here; adv. E. N.-R. Apr. 2.

Wash., Puget Sound — Roofing — Spec. 5100—Apr. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., roofing, etc. here.

BIDS RECEIVED

Pa., Phila.—Pipe Line—U. S. Engineer Office, War Dept., constructing 20 in. pipe line, from Newport News Ship & Engine Building Co., Newport News, Va., using Busch-Sulzer engine $715,000 (300 days), Worthington engine $723,000 (300 days), McIntosh & Seymour engine $720,000 (270 days). Noted Jan. 29.

Calif., San Francisco — Extension — Spec. 5075—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to storehouse, here, from K. E. Parker, 519 California St., $126,810. Noted Mar. 5.

CONTRACTS AWARDED

N. H., Portsmouth — Capstans — Spec. 5024—Bureau Yards & Docks, Navy Dept., Wash., D. C., electrically driven capstans, here, to Marine Electric Co., 35 Commercial St., Portland, Me., $7,345 (180 days).

R. I., Providence—Dredging—U. S. Engineer Office, dredging in Thames River, Conn., to Morris & Cummings Dredging Co., 15 Moore St., New York City, $47,500. Noted Feb. 19.

D. C., Wash.—Pumping Unit—U. S. Engineer Office, 250 Old Land Title Bldg., pumping unit, to Allis Chalmers unit, to Allis Chalmers Mfg. Co., West Allis (br. of Milwaukee), $862. Noted Feb. 5.

D. C., Wash.—Purification Unit—U. S. Engineer Office, furnishing mobile water purification unit, to Wallace & Tierman Co., Inc., 1 Mill St., Newark, N. J. $7,385.

N. C., Wilmington — Barge — U. S. Engineer Office, constructing 80 ft. steel barge, to Newport News Shipbuilding & Dry Dock Co., Newport News, Va., $12,800. Noted Feb. 12.

La., New Orleans—Earthwork—U. S. Engineer Office, 140 Decatur St., 265,000 cu.yd. earthwork in Warnicutt Levee, to Ogden & Lewis, Roumain Bldg., Baton Rouge, $52,470.

Ky., Louisville—Steel Castings—U. S. Engineer Office, steel castings, etc., for Dam 52, Ohio River, Lot A, to Penn Bridge Co., Beaver Falls, Pa., $11,660; Lot B, to F. J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., $4,081; Lot C, to Wright Machine Co., Owensboro, $553; Lots D and E, to H. P. Gazzam Machine Co., 3200 Penn Ave., Pittsburgh, Pa., $9,270.

O., Kenton — Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story post office, here, to Dunlop & Co., Columbus, Ind., $54,890 (12 months). Noted Feb. 19.

Wis., Milwaukee—Steel Bars—U. S. Engineer Office, steel reinforcing bars for concrete caissons, to Calumet Steel Co., 208 South LaSalle St., Chicago, Ill., $12,310.

Wash., Vashon Island — Steel Beacon Towers — Spec. 5066—Bureau Yards & Docks, Navy Dept., Wash., D. C., steel beacon towers at Navy Depts. Trial Course, here, to W. A. Parker, Bremerton, $3,128 (120 days).

Calif., San Francisco—Storehouse—Spec. 5075—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending storehouse, here, to K. E. Parker, 519 California St., $126,810.

Unclassified

PROPOSED WORK

Playground—Boston, Mass.—City plans developing land and constructing playground at Rutland, Tremont and Newton Sts. $25,000. J. P. Sullivan, secy. Street Laying Out Dept.

Pier—South Boston (Boston P. O.), **Mass.**—Park Dept., 33 Beacon St., Boston, plans reconstructing Marine Park Pier, etc. $35,000. J. J. Murphy, c/o owner, engr.

Playgrounds—Watertown, Mass.—Bd. Selectmen plans new playgrounds in east and west ends. $180,000 appropriated. Engineer not selected.

Electric Lights — North Carolina — See "Streets and Roads."

Dock Extension, etc.—Tampa, Fla.—Mallory & Clyde Steamship Co., Mallory Docks, plans about 500 ft. dock extension, 2 new warehouses, repairs to present docks and warehouses. $150,000. H. H. Raymond, pres.

Poles and Transmission Lines—Canton, O.—Ohio Power Co., 301 Cleveland Ave. S. W., plans replacing poles, transmission lines and increasing the general capacity of electrical distribution in southwest section. $200,000.

Lighting System—Abingdon, Ill.—Plans ornamental lighting system on Latimer, Adams and Jackson Sts., Pennsylvania and Ohio Aves., incl. 64 c.i. poles. F. M. Connolly, 432-433 Peoples Trust & Savings Bank Bldg., Galesburg, engrs.

Lighting System—Lewistown, Ill.—Plans ornamental lighting system on North Adams, North and South Main Sts., West Lincoln and West Washington Aves. F. M. Connolly, 432-433 Peoples Trust & Savings Bank Bldg., Galesburg, engrs.

Hydro-Electric Developments—Marinette, Wis.—North Amer. Power Co., c/o Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., Milwaukee, acquired sites for hydro-electric developments at Pemee dam and Chappee Rapids on Menominee River, near here. G. G. Post, c/o owner, engr.

Gas Holder—Cedar Rapids, Ia.—Cedar Rapids Gas Co., 327 South 3rd St., plans 1,000,000 cu.ft. gas holder. $150,000. Private plans. H. J. Carson, gen. mgr.

Transmission Line — North Dakota — Hughes Deiten Co., Dickinson, plans 25 mi., 23,000 volt transmission line from Dickinson to Richardson, betterments to Dickinson plant, incl. heating system for business section of Dickinson. $100,000. E. A. Hughes, Bismarck, engr.

Tipple, Transmission Line, etc.—Beulah, N. D. — Knife River Coal Co., Bismarck, plans new steel tipple, 2,500 tons per 8 hr. shift, and power plant equipment, here, also 10 mi. transmission line from Beulah to Hazen. $50,000. E. A. Hughes, Bismarck, engr.

Boilers, etc.—Bismarck, N. D.—Hughes Electric Co., Bismarck, plans 1,250 kw. steam turbine unit, boilers, condensing apparatus and cooling pond, etc. $85,000. E. A. Hughes, Bismarck, engr.

Land Development — Amarillo, Tex. — Amarillo Country Club having plans prepared by G. A. Carlander, 15 Massie Bldg., developing 13 acre track, incl. landscape work, paving, water, gas and lights. $30,000.

Sea Wall—Aransas Pass., Tex.—Voted $100,000 bonds rock and concrete sea wall. J. A. Zimmermann, mayor. Noted Mar. 12.

Tanks — Taft, Tex. — See "Buildings — Commercial."

Distribution System, etc.—Orlando, Okla.—Election Apr. 7, $12,000 bonds, distribution system and 8 mi. electric transmission line to Mulhall. Gantt Baker Co., 1116 West Main St., Oklahoma City, engrs.

Power Development — Arnprior, Ont. — Hydro-Electric Power Comn., 190 University Ave., Toronto, having surveys made hydro-electric power development to provide 66,000 hp., turbines, generators, transformers, motors, pumps, etc., on Ottawa River, at Roche Rendu, near here. $5,000,000. F. A. Gaby, ch. engr.

Grain Storage Elevators—Tavistock, Ont.—Tavistock Milling Co., plans grain storage elevators 60,000 bu. rein.-con., in connection with mill. $50,000. Engineer not selected.

Subway—Thamesville, Ont.—Dept. Provincial Highways, Parliament Bldgs., Toronto, plans subway under Canadian Natl. Ry., on Longwood Rd., here. $95,000. G. Hogarth, 110 University Ave., Toronto, ch. engr.

Coal Handling Plant — Toronto, Ont. — Elias Rogers Co. Ltd., 85 Bay St., plans coal handling and storage plant. $50,000. J. Hole, 167 Yonge St., engr.

Transmission Line—St. Anne des Plaines, Que. — Plans transmission line. $30,000. Engineers name withheld.

BIDS DESIRED

Retaining Wall—Indianapolis, Ind.—See "Streets and Roads."

Wall—Peru, Ind.—Apr. 29, by Bd. Comrs. Peru Flood Dist., rein.-con. wall, etc. T. N. Jacob, 1900 Railway Exch. Bldg., St. Louis, Mo., ch. engr.; adv. E. N.-R. Apr. 2.

BIDS RECEIVED

Subway—Brooklyn, N. Y.—Bd. Transportation, 49 Lafayette St., New York City, Mar. 27, tracks for portion of 4th Ave. subway line, here, from Slattery Eng. & Contg. Co., 10 East 43rd St., New York City, $31,391. Noted Mar. 19.

Station Finish—Long Island City, N. Y.—Bd. Transportation, 49 Lafayette St., New York City, Mar. 27, station finish for Willets Point Blvd. Sta. on Rapid Transit R.R., here, from M. Del Balso, 660 East 221st St., New York City, $99,381. Noted Mar. 19.

Street Lighting System — West Allis, Wis.—A. Wincher, supt. Bd. Pub. Wks., Mar. 23, ornamental street lighting system on Greenfield and National Aves., from Donovan Constr. Co., 417 Commercial Bldg., St. Paul, Minn., $43,700.

Ornamental Street Lighting System—Los Angeles, Calif.—Pressed steel standards on Santa Barbara Ave. between Main and Western Aves., from A. C. Rice, 1963 Santee St., $69,176. Noted Nov. 27.

CONTRACTS AWARDED

Land Development—Medford, Mass.—W. Welsh Realty Co., 209 Washington St., Boston, will develop land, incl. grading and laying new boulevard, side streets and sidewalks, culverts on old Lawrence Estate, by day labor under supervision of A. C. Peters, engr., 10 Pearl St., Boston. $100,000.

Station Finish—New York—Bd. Transportation, 49 Lafayette St., New York City, station finish work for Vernon-Jackson Aves., station on Queensboro Subway Rapid Transit R.R., Queensboro, and for Montrose Ave. Sta. of 14th St. Eastern Rapid Transit R.R., Brooklyn Boro, to W. Mitchell, 1 DeKalb Ave., Brooklyn, $84,000; miscellaneous construction, etc., at Times Sq. Sta., Manhattan Boro, to Slattery Eng. Co., 10 East 43rd St., New York City, $5,767. Noted Mar. 26.

Foundation—Phila., Pa.—G. H. Biles, dir. Dept. Pub. Wks., 216 City Hall, foundations for stadium, concrete, piles, etc., to McCloskey & Co., Inc., 1620 West Thompson St., $304,720.

Storage Tanks—North Kansas City, Mo.—Kansas Flour Mills Co., general contracts twenty 500,000 bu. rein.-con. storage tanks 96 ft. high, 20 ft. diam., to Industrial Eng. Co., 520 Kansas City Life Bldg., Kansas City.

Distribution System, etc.—Medford, Okla.—R. McGee, Blackwell, will build distribution system, here, and transmission line from here to Deer Creek gas field, incl. 10 mi. 6 in. steel and 52,000 ft. 2- to 4-in. w. i. pipe, by day labor. $45,000. Private plans.

Heating and Plumbing — Ft. Morgan, Colo. — See "Buildings — Educational, Religious."

Street Lighting System — Los Angeles, Calif.—For 169 pressed steel standards on Grand Ave., to Newbery Electric Corp., 720 South Ohio St., $62,822.

Tunnel — Oakland, Calif. — Supervs. Alameda Co., tunnel under estuary between here and Alameda, to A. J. Crocker Co., 58 2nd St., San Francisco, $3,882,958. Noted Feb. 5.

Ornamental Street Lighting System—San Diego, Calif.—For 160 Union metal lamps standards, Design 1775, on 8th, 9th, 10th, 11th and 12th Sts., to Walker & Martin, 402 West Wilshire Ave., Fullerton, $39,971. Noted Feb. 19.

Pier Extension—San Francisco, Calif.—State Bd. Harbor Commissioners, Ferry Bldg., 200 ft. creosoted pile shed, and 646 ft. track extension on north and south sides of Pier 40, to Clinton Constr. Co., 923 Folsom St., $96,400. Noted Mar. 26.

Hydro Line — Ontario — Ontario Hydro Comn., University Ave., Toronto, making surveys 55 mi. auxiliary hydro line from St. Thomas, via Melbourne to Sarnia. $200,000. Work will be done by day labor.

Grain Elevator — Owen Sound, Ont. — Great Lakes Elevator Co., 200 x 400 ft., grain elevator, 125 ft. high, concrete and steel, on water front, to Barnett & McQueen, Ft. William. Engrs. est. $450,000. Noted Mar. 5.